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Air Quality Data for Nonmetallic Inorganic Ions 1971 Through 1974 From the National Air Surveillance Networks

Environmental Monitoring and Support Lab

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AIR QUALITY DATA FOR NONMETALLIC INORGANIC IONS 1971 THROUGH 1974: From the National Air Surveillance Networks

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This report lists the urban and nonurban concentrations of 3 nonmetal inorganic constituents of suspended particulate matter from samples gathered during calendar years 1971 through 1974 by the cooperating stations of the National Air Surveillance Network (NASN). The individual 24-hour data are summarized as cumulative frequency distributions for each site.

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AIR QUALITY DATA

FOR NONMETALLIC INORGANIC IONS

1971 THROUGH 1974

FROM THE

NATIONAL AIR SURVEILLANCE NETWORKS

by

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This report has been reviewed by the Environmental Monitoring and Support Laboratory, U.S. Environmental Protection Agency and approved for publication. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

PREFACE

The Environmental Monitoring and Support Laboratory of the Environmental Research Center-Research Triangle Park (formerly the Quality Assurance and Environmental Monitoring Laboratory), with the assistance and cooperation of state and local agencies, conducts a variety of air sampling activities to obtain information about the air quality in the United States. Nonmetallic inorganic ions of particulate matter are listed in this report.

Updated listings will be provided as more current data are available. Any subsequent changes in the introductory material (site descriptions, data table presentations, laboratory methodology, etc.) made by EPA will be forwarded on a routine basis.

ABSTRACT

Samples collected by the cooperating stations of the National Air Surveillance Network during calendar years 1971 through 1974 provide the basis for listing the urban and nonurban concentrations of 3 nonmetallic inorganic ions of suspended particulate matter.

The data are presented as yearly concentration frequency distributions with arithmetic and geometric summary statistics.

Two previous EPA publications, APTD-0978 and APTD-1466, list the 3 nonmetallic inorganic ions of suspended particulate matter collected during 1968, and 1969 and 1970, respectively.

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The data reported in this publication could not have been gathered without the generous cooperation of the many state and local air pollution control agencies in the operation of the NASN stations. Also, gratitude is due each of the 10 EPA Regions who since 1973 have participated in this program by sending the high volume filters to the centralized laboratory of the Environmental Monitoring and Support Laboratory.

The personnel of the Analytical Chemistry Branch of the Environmental Monitoring and Support Laboratory, EPA, North Carolina, are to be commended for their diligent analytical efforts in producing the over 90,000 results which have made this publication possible.

SECTION I

INTRODUCTION

The Environmental Protection Agency (EPA), with the assistance and cooperation of state and local agencies, conducts a variety of air sampling activities to obtain information about the air quality in the United States. One such program, the National Air Surveillance Network (NASN), has existed for over 20 years. The network has grown and undergone many modifications since its beginning, especially during the 4 years covered in this report. Table 1-1 catalogues these recent changes. The first change, change in sampling schedule, was brought about to encourage synoptic sampling with state/local ambient monitoring programs. The second change, decentralization, was made to shift air monitoring expertise from one centralized laboratory to 10 EPA regional laboratories. However, one laboratory, the Environmental Monitoring and Support Laboratory (EMSL), Research Triangle Park, North Carolina, retains a central function. Filters are weighed at regional laboratories and forwarded to EMSL for analysis of trace constituents. As a result, the data on the concentrations of 3 nonmetallic inorganic ions contained within this publication--ammonium, nitrate, and sulfate--have been produced within one laboratory. Earlier publications of this type included fluoride concentration data. Routine fluoride analyses were discontinued in 1971 because most site values were below the analytical detection limit except in areas influenced by localized sources.

SAMPLE COLLECTION

Samples are collected at approximately 300 urban and 35 nonurban NASN sites located across the country. The urban sites are generally located within a city or town or adjacent suburbs. The nonurban sites are generally located in rural or remote areas; although, with the passage of time, many of these rural areas, especially in the northeast, have become more heavily populated and thus are subject to increasing influences of spreading urbanization. Voluntary operation of each site is maintained through the generous assistance of local or state agencies and individuals such as park rangers, firemen, or policemen. A more detailed description of each site is available.[1]

Prior to 1972, 24-hour samples (beginning at midnight) were collected according to a biweekly (26 samples per year) modified random sampling schedule. The schedule was modified to insure equal representation for each of the seven days of the week. Since 1972, however, samples have been collected every 12th day (30 or 31 samples per year). The initial sampling date was January 10, 1972. This sampling schedule eliminates the

[1]Directory of Air Quality Monitoring Sites, 1971. U.S. Environmental Protection Agency, Office of Air Programs. Research Triangle Park, North Carolina. Publication No. APTD-0979. April 1972.

need for redesigning a new sampling schedule each year. In addition, it encourages concurrent sampling with other networks. Most importantly, it is easily implemented in the field.

Beginning with the 1974 samples, the responsibility for managing the NASN was given to each of the 10 EPA regions.[2] Prior to that time one centralized laboratory located at Research Triangle Park, North Carolina, weighed and analyzed the high volume filters. The regions now send the weighed filters to North Carolina for routine trace constituent analyses[3] and storage in the filter bank for non-routine, special analyses as needed. The resulting data are published by the Statistical and Technical Analysis Branch (STAB) of the EMSL and are sent to the National Aerometric Data Bank (NADB) for archiving.

[2]Region I - Boston, Massachusetts
Region II - New York, New York
Region III - Philadelphia, Pennsylvania
Region IV - Atlanta, Georgia
Region V - Chicago, Illinois
Region VI - Dallas, Texas
Region VII - Kansas City, Missouri
Region VIII - Denver, Colorado
Region IX - San Francisco, California
Region X - Seattle, Washington

[3]Metals, nonmetallic inorganic ions and BaP.

DESCRIPTION OF DATA TABLES

The format of data presentation is the cumulative frequency distribution table. For each valid site, these tables list the year of sampling, the number of valid samples taken, the minimum value, the nine decile values, the maximum value, and the arithmetic and geometric means and standard deviations. Values are expressed in micrograms of pollutant per cubic meter of air at standard temperature (25° Centigrade) and standard pressure (760 mm mercury). Sites are judged to be valid (representative) if there are at least five valid filters per quarter. In addition, when there are no samples collected during a month of a quarter, the other two months in that quarter must have at least two valid samples. In order to provide a more comprehensive data summary, sites which are not valid are shown in the data listings (identified by an asterisk following the year of data) if three conditions are satisfied:

a) Must have at least 15 total samples,

b) Must have at least two valid quarters, and

c) Must have at least 1 sample in each of the other two quarters.

Table 2-1 lists the minimum detectable concentrations for the three nonmetallic inorganic ions. If "zero" concentrations--values below the analytical limit of discrimination--are reported (shown as "L.D." in the data tables), the yearly mean is calculated by replacing the "L.D.'s" with a value equal to one-half the analytical discrimination value shown in

Table 2-1. If more than 25 percent of the individual results for a site year are below the analytical discrimination value, the summary statistics are not calculated. When more than 50 percent of the individual results for a site year are below the analytical discrimination value, only the minimum, maximum and number of results above the L.D. are shown.

Data table headings contain an expression representing analytical quality. The expression states a 95% confidence interval within which the expected result would likely fall 95 times if the same sample were reanalyzed 100 times. In the instance of sulfate measurements $\geq 3 \mu g/m^3$, for example, the expression is $(6.3 \pm 10)\%$. This means that a reported sulfate measurement, such as $16.4 \mu g/m^3$, would be expected to be associated, 95% of the time, in the range from 3.7% below to 16.3% above the measured value, i.e. 15.8 to $19.1 \mu g/m^3$ in this case. Further details pertaining to quality of data are given in the next section.

TABLE 1-1. NASN NETWORK MODIFICATIONS, 1970 - 1974

Month/Year	Change	Impact
January 1972	Sample schedule changed from random biweekly to 12-day systematic samples; first sample collected 1/10/72.	All sites
December 1972	Decentralization, Region II.	NJ, NY, PR
April 1973	Decentralization, Region I.	CT, ME, MA, NH, RI, VT
December 1973	Decentralization, Regions V, VII, VIII, IX, X.	IL, IN, MS, MN, OH, WI, IA, KS, MO, NE, CO, MT, ND, SD, UT, WY, AZ, CA, HI, NV, AK, ID, OR, WA
January 1974	Decentralization, Regions III, IV, VI.	DE, DC, MD, PA, VA, WV, AL, FL, GA, KY, MS, NC, SC, TN, AR, LA, NM, OK, TX

SECTION II

QUALITY CONTROL

INTRODUCTION

This section presents the quality control information which forms the basis for determining analytical performance limits and analytical discrimination limits.

BLANK FILTER AND LOWER DETECTABLE LIMITS

Table 2-1 lists the average concentrations of the three ions found in blank filters. The blank value was determined by analyzing a large number of clean (unexposed) filters from the filter lot used by the NASN. The same filter lot was used in the collection of 1971, 1972 and 1973 samples. A new filter batch was purchased for the 1974 samples. As can be seen in the table, the new filter batch had a lower blank sulfate concentration.

The lower analytical detectable limit (LD) values are also listed in Table 2-1. A single value for each pollutant for both nonurban and urban samples is a departure from previous analysis periods when a separate value for each was determined. Previously a larger portion of the filter was used in the analysis of nonurban samples. The LD is defined as the concentration value for a given ion which produces a signal three times greater than the analytical noise level, i.e., scatter observed from individual points when analyzing standard solutions. This was determined by fitting a linear equation to the noise level as a function of

concentration and extrapolating to the intercept from the lowest standard concentration. The lowering of the LD value in 1974 was accomplished by replacing the Autoanalyzer, Technicon I with a Technicon II.

PRECISION AND BIAS

Table 2-2 presents precision and bias information. All the data are expressed as percentages, a necessity because precision is concentration dependent.

Precision has been determined by the relative percent difference between analyses of different extracts made from another filter strip from the same filter. The result is expressed as relative standard deviation. In other words, the expression for precision includes variation caused by cutting, extracting and analytical variability. These precision data were collected throughout the analysis period. Every 10th sample was a duplicate (over 1500 pairs). The measure of precision presented in Table 2-2 is calculated such that a measurement difference will exceed the calculated precision level only 5% of the time. This may be expressed in equation form, as:

$$Q = t_{\alpha/2}\, C$$

where t = number of standard errors in student's t-distribution

$C = s_x/\bar{x}$, the relative standard deviation

An independent estimate of bias, expressed as an average percent between known (true) and observed, was obtained for nitrate and sulfate through an audit program implemented during the analysis of the 1974 samples. (There was no audit of the ammonium analysis, hence the bias entry for

ammonium is blank.) It is assumed that the bias estimate is no different during the earlier years when audits were not conducted. The audits were prepared by adding a spike to unexposed filters. The audit, then, includes variation resulting from the extraction step in addition to analytical variation.

PERFORMANCE QUALITY ASSESSMENT

Precision and bias estimates discussed above have been combined to form what is termed "Analytical Quality." Based on the estimates of bias and precision, an individual pollutant value (minimum, maximum or percentile) appearing in the data tables is expected to be analytically correct within the 95% confidence interval. To apply the confidence interval to a given value, one should multiply that value by 100 plus the bias percent (all biases represent losses) and to this value add and subtract the product of the original value and the percent associated with the precision term. For example, the maximum sulfate value for Birmingham, Alabama for 1974 was 47.5$\mu g/m^3$. The analytical quality is (+6.3$\pm$10)%. The confidence interval is constructed as follows:

$$\text{Upper Limit} = (1.063 + .10)(47.5) = 55.2\mu g/m^3, \text{ and}$$

$$\text{Lower Limit} = (1.063 - .10)(47.5) = 45.7\mu g/m^3.$$

These estimates only include sample preparation and analytical variability averaged over a series of duplicate analyses. Furthermore, if additional information were known concerning variation due to factors such as sampling, then these confidence intervals would be wider. As a result, all confidence limits are under-estimates for the total variability of the sampling and analytical processes.

TABLE 2-1. BLANK FILTER AND LOWER DETECTABLE CONCENTRATIONS FOR NONMETALLIC INORGANIC IONS

Ion	Year	Concentration, $\mu g/m^3$	
		Blank Filters	Analytical Limit of Discrimination (LD)
Ammonium	1971-1974	LD	0.05
Nitrate	1971-1974	0.06	0.06
Sulfate	1971-1973	0.8	0.6
	1974	0.5	0.2

TABLE 2-2. ANALYTICAL PRECISION AND BIAS

Ion	Year	Conc. Range $\mu g/m^3$	Precision %	Bias %
Ammonium	1971-1974	<0.05	±112	---
	1971-1974	0.05-0.6	± 47	---
	1971-1973	≥0.6	± 26	---
	1974	>0.6	± 12	---
Nitrate	1971-1973	All	± 16	- 6.7
	1974	All	± 12	- 6.7
Sulfate	1971-1974	<3.0	± 10	-18.0
	1971-1974	≥3.0	± 10	- 6.3

SECTION III

LABORATORY METHODS

SUSPENDED PARTICULATE MATTER

The mass of particulate matter per volume of air is usually determined by drawing air through a preweighed glass-fiber filter with a high volume (hi-vol) air sampler and then weighing the soiled filter. To obtain the flow rate, a calibrated rotameter is read at the start and finish of the sampling period, and the averaged value is used with a calibration table for that rotameter.

The hi-vol samplers, operating at approximately 1.7 cubic meters per minute, collect particulate matter from about 2500 cubic meters of air during the 24-hour sampling period. The filters used are flash-fired glass-fiber filters (20.3 by 25.4 cm), selected for low and uniform background concentrations of the substances to be measured.

To eliminate any filters having pinholes or other flaws that could affect air flow, the filters are screened for imperfections on a light table. Prior to the initial weighing, the filters are equilibrated for a minimum of 24 hours at a temperature of 24° Centigrade and a relative humidity of 50 percent or less. Because any crease in a filter can seriously affect the air flow, a balance is used that permits weighing without bending.

The filters are then distributed unfolded to the cooperating local

agencies for the urban sites and to the designated participants responsible for operating the nonurban sites. After sampling, the filters are folded in half with the collected particulate matter inside and returned to the laboratory. The filter with the collected particulates is again equilibrated for at least 24 hours at a temperature of 24° Centigrade and a relative humidity of 50 percent or less, and then weighed to determine the amount of particulate matter that was collected.

NONMETALLIC INORGANIC IONS

Analyses for ammonium, nitrate and sulfate ions are conducted with auto-analyzers on an aqueous extract of an 8.3 percent aliquot of the particulate sample, i.e., a 1.9 cm strip is cut across the fold. The sample aliquot is washed twice in preparing the extract, which has a final volume of 50 milliliters. This single solution is used for the three analyses.

Ammonium ion in the filtrate is determined by reaction with a sodium hypochlorite solution to produce a blue complex. The color intensity of this complex is measured spectrophotometrically at 626 nanometers.

Nitrate ion in the filtrate is reduced to nitrite by alkaline hydrazine (pH 11). Sulfanilamide is added to form a diazo compound that subsequently corbines with N-(1-naphthyl) ethylenediamine. The resulting compound is measured spectrophotometrically at 535 nanometers.

Sulfate ion in the filtrate is determined by the methylthymol blue method, which is appropriate only with the closed system techniques because the methylthymol blue dye is oxidized by atmospheric oxygen. The filtrate is reacted with a reagent consisting of equal parts of methylthymol blue dye and barium chloride at a pH of 2.8 to prevent the formation of a

chelate complex from the dye and the barium ion. Any sulfate ion in the sample reacts with the barium ion, leaving an excess of methylthymol blue dye that is proportional to the amount of sulfate present. The pH is then raised to 12.4. At this point the barium ion that was not removed by the sulfate forms a chelate complex with the methylthymol blue dye, and the excess dye turns yellow. The intensity of the yellow dye is then determined colorimetrically at 480 nanometers.

SECTION IV

NATIONAL SUMMARY OF AIR QUALITY MEASUREMENTS

The data in Tables 4-1 and 4-2 are cumulative frequency distributions by element of all individual results by year for urban locations and nonurban locations, respectively. Consider for example the line for urban 1971 ammonium. The first number, 3909, gives the number of valid 24-hour samples analyzed for ammonium in 1971. The next entry, minimum, is the lowest urban result (LD). Other entries, such as 0.73 under the 90th percentile column, are to be interpreted such that 90 percent of the 3909 individual results (3519) were equal to or less than 0.73$\mu g/m^3$. Comparison among years for a given pollutant provides a relative indication of trends.

An obvious trend, or perhaps better called a "jump," can be noted in the 1974 ammonium concentrations relative to the earlier years' data. This jump may be due entirely to the fact that ammonium concentrations on stored samples tend to decrease with time. Since these 4 years' data were analyzed at the same time (in 1975), the most recent data (1974) would not have experienced the long retention time of the earlier samples. Further laboratory experiments will be required to confirm and, if possible, quantify the rate of decomposition of the ammonium ion on the stored samples.

Since concentration levels of these pollutants may be geographically dependent, especially sulfates, the national frequency distribution is not helpful for judging the localized contribution and relative severity of these pollutants for an individual site. This should be done through an

analysis of the data from surrounding sites within the general geographical area.

TABLE 4-1. URBAN NATIONAL CUMULATIVE FREQUENCY DISTRIBUTIONS

Ion	Year	No.	Min.	10	30	50	70	90	95	99	Max.	Arithmetic Mean	Arithmetic Std. Dev.	Geometric Mean	Geometric Std. Dev.
Ammonium	1971	3909	LD	0.01	0.03	0.05	0.15	0.73	1.23	3.07	12.72	0.27	0.69	0.10	4.14
	1972	5512	LD	LD	0.01	0.03	0.09	0.59	1.20	3.28	13.91	0.24	0.72	0.08	4.57
	1973	4778	LD	0.01	0.01	0.06	0.17	0.73	1.37	3.82	15.50	0.30	0.79	0.11	4.23
	1974	4584	LD	0.01	0.02	0.09	0.34	1.36	2.26	5.79	15.30	0.49	1.12	0.20	3.85
Nitrate	1971	3900	LD	0.69	1.55	2.29	3.22	5.02	6.48	11.85	26.17	2.77	2.30	2.13	2.06
	1972	5519	LD	0.66	1.58	2.47	3.55	5.90	7.88	13.50	24.99	3.05	2.61	2.32	2.10
	1973	4775	LD	0.81	1.71	2.58	3.65	6.24	8.31	14.61	37.36	3.25	2.87	2.44	2.13
	1974	4562	LD	0.83	1.74	2.54	3.63	6.46	8.62	17.50	54.89	3.36	3.40	2.36	2.32
Sulfate	1971	3916	LD	3.4	5.7	8.0	10.9	18.0	22.0	33.5	69.2	9.6	6.8	7.84	1.89
	1972	5519	LD	3.9	6.7	9.4	12.7	20.3	25.4	37.9	75.9	11.1	7.7	9.15	1.87
	1973	4774	LD	3.9	6.3	8.1	10.9	17.5	22.7	35.4	162.0	9.9	7.0	8.06	1.89
	1974	4564	LD	3.9	6.3	8.3	11.3	17.9	22.8	34.8	69.1	10.0	6.7	8.34	1.83

TABLE 4-2. NONURBAN NATIONAL CUMULATIVE FREQUENCY DISTRIBUTIONS

Ion	Year	No.	Min.	10	30	50	70	90	95	99	Max.	Arithmetic Mean	Arithmetic Std. Dev.	Geometric Mean	Geometric Std. Dev.
Ammonium	1971	569	LD	0.01	0.02	0.04	0.05	0.17	0.44	1.25	3.19	0.10	0.28	0.03	4.31
	1972	929	LD	LD	0.01	0.01	0.01	0.10	0.25	1.57	6.12	0.07	0.32	0.02	5.68
	1973	832	LD	0.01	0.01	0.01	0.03	0.23	0.80	3.16	7.80	0.17	0.65	0.04	5.28
	1974	706	LD	0.01	0.01	0.01	0.05	0.37	1.12	2.61	9.64	0.19	0.62	0.05	4.85
Nitrate	1971	671	LD	0.06	0.31	0.71	1.20	2.19	2.67	3.81	6.04	0.95	0.92	0.68	2.26
	1972	928	LD	LD	0.15	0.50	1.01	2.08	2.59	4.19	6.59	0.79	0.92	0.52	2.52
	1973	831	LD	0.04	0.28	0.71	1.26	2.35	2.83	4.47	6.67	0.99	1.02	0.69	2.34
	1974	706	LD	0.12	0.37	0.83	1.37	2.52	3.16	5.13	6.65	1.10	1.07	0.79	2.25
Sulfate	1971	686	0.4	1.5	3.0	4.7	7.2	11.8	15.5	23.6	35.4	6.0	4.9	4.7	2.03
	1972	929	LD	1.4	2.9	5.2	7.8	13.7	17.4	24.8	42.7	6.6	5.4	5.1	2.05
	1973	831	LD	1.3	2.7	4.4	6.3	12.0	17.0	29.8	53.2	6.0	5.9	4.2	2.29
	1974	706	0.1	1.4	2.6	4.8	7.2	12.2	16.6	27.0	90.0	6.2	6.2	4.4	2.30

SECTION V

DATA TABLES

POLLUTANT = 12301 = AMMONIUM
METHOD = 02 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	72	29	LD	LD	LD	LD	LD	.05	.05	.06	.09	.19	.81				
	73	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.17				
	74	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									1.79				
GADSDEN																	
011480001A01	72	30	LD	LD	LD	LD	LD	.05	.06	.06	.13	.33	1.57				
	73	31	LD	LD	LD	LD	LD	.06	.07	.26	.41	1.83	9.09				
	74	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									1.90				
HUNTSVILLE																	
011860001A01	72	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									3.98				
	73*	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									1.96				
	74*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									.79				
MOBILE																	
012380001A01	72	22	LD	LD	LD	LD	LD	LD	.05	.05	.06	.07	.10				
	73*	22	LD	LD	LD	LD	LD	LD	.05	.07	.10	.16	.31				
	74*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
MONTGOMERY																	
012460001A01	72	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									1.30				
	73*	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.90				
	74	28	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.70				
ALASKA																	
ANCHORAGE																	
020040003A01	72	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									LD				
FAIRBANKS																	
020160001A01	72	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									LD				
ARIZONA																	
DOUGLAS																	
030240001A01	72	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.67				
	73*	16	LD	LD	LD	LD	LD	LD	.10	.12	.28	.33	1.86				
	74*	23	LD	LD	LD	LD	LD	.15	.17	.36	.38	.74	.95				
MARICOPA CO																	
030440001A01	72	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.08				
PHOENIX																	
030600002A01	71	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.73				
	72	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.38				
	73	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									7.77				
	74	25	LD	LD	LD	LD	.07	.30	.40	.57	.75	1.03	2.79				
TUCSON																	
030860001A01	72	26	LD	LD	LD	LD	LD	.05	.05	.06	.18	.50	1.61				
	73	28	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									3.58				
	74	28	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									1.70				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	71*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
	72*	23	LD	LD	LD	LD	LD	.06	.06	.06	.07	.20	2.97				
	74	27	LD	LD	LD	LD	LD	.06	.15	.38	.78	.88	2.26				
WEST MEMPHIS																	
042740001A01	72*	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.76				
	74	24	LD	LD	LD	LD	LD	LD	.07	.15	.24	.54	1.24				
CALIFORNIA																	
ANAHEIM																	
050230001A01	72	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									6.70				
	73*	21	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									1.98				
	74	30	LD	LD	LD	.06	.08	.19	.42	.77	1.46	6.62	12.29	1.656	3.11	.300	7.39
BERKELEY																	
050740001A01	72	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.79				
	74	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.31				
BURBANK																	
050900002A01	71	25	LD	LD	LD	LD	.08	.20	.30	.90	.90	1.02	2.96				
	72	29	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									1.80				
	73	31	LD	LD	.06	.10	.22	.54	.98	1.38	1.78	2.60	9.39	1.167	1.78	.396	5.68
	74	30	LD	.05	.09	.22	.34	.45	.60	.84	.76	1.70	8.99	1.032	1.96	.408	3.97

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 - AMMONIUM
METHOD = 92 - HI-VOL SODIUM PHENOLATE
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
FRESNO																	
052800002A01	72	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.64				
	73	28	LD	.05	.08	.09	.09	.11	.12	.16	.16	.18	.31	.126	.06	.110	1.72
	74	29	LD	LD	.07	.10	.14	.24	.27	.48	.77	1.85	6.32	.769	1.37	.248	4.75
GLENDALE																	
052940001A01	72	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									9.60				
	73	30	LD	LD	LD	LD	.12	.18	.30	.36	.68	1.05	9.58				
LONG BEACH																	
054100001A01	72	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									3.20				
	73*	25	LD	LD	LD	LD	.06	.12	.19	.31	.47	1.12	2.99				
	74	26	LD	.06	.11	.18	.35	.51	.70	1.34	1.92	3.63	8.91	1.626	2.49	.536	5.29
LOS ANGELES																	
054180001A01	71	24	LD	LD	.10	.11	.19	.20	.30	.30	.40	.60	.80	.254	.18	.188	2.39
	72	32	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									3.30				
	73*	25	LD	LD	LD	.07	.12	.32	.38	.54	.70	.95	2.17	.420	.48	.201	9.01
	74	26	LD	LD	.08	.24	.47	1.34	1.93	2.60	4.78	7.01	15.30	2.839	3.95	.803	7.19
OAKLAND																	
055300001A01	72	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									.32				
	73*	24	LD	LD	LD	LD	.06	.06	.06	.08	.13	.15	.40				
	74	27	LD	LD	LD	.06	.07	.10	.11	.18	.33	.43	1.39	.206	.28	.106	3.20
ONTARIO																	
055380001A01	72	28	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									3.12				
	73*	21	LD	.06	.07	.10	.13	.17	.21	.30	.77	.95	2.37	.465	.62	.222	3.34
PASADENA																	
055760001A01	72*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									2.48				
	73*	24	.04	.07	.08	.17	.19	.35	.65	.77	1.15	1.95	9.75	.815	1.10	.384	3.69
PASADENA																	
055740002A01	74	29	.05	.08	.19	.45	.55	.73	.81	1.47	1.90	6.39	12.74	2.145	3.32	.777	4.69
RIVERSIDE																	
056400001A01	72*	18	LD	LD	LD	LD	LD	LD	.10	.29	.32	.47	2.03				
SACRAMENTO																	
056580001A01	71	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.12				
	72	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.11				
	73	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									1.39				
	74	28	LD	LD	.05	.07	.09	.14	.21	.39	.46	1.34	3.82	.472	.83	.169	4.15
SAN BERNARDINO																	
056680001A01	72	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									2.40				
	73*	22	LD	.04	.10	.15	.18	.18	.21	.32	.51	1.31	2.86	.987	.72	.248	3.06
	74	24	LD	.04	.18	.33	.54	.68	.90	2.06	6.18	9.46	21.75	3.179	5.10	.931	5.78
SAN DIEGO																	
056800001A01	72	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									7.37				
	73	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									1.08				
	74	28	LD	LD	.08	.10	.17	.19	.35	.60	.98	2.27	6.91	.862	1.99	.281	9.72
SAN FRANCISCO																	
056860001A01	72	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	29	LD	LD	LD	LD	LD	.07	.09	.13	.18	.25	1.27				
SAN JOSE																	
056980003A01	72*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									LD				
SAN JOSE																	
056980009A01	74	24	LD	LD	LD	.05	.06	.09	.15	.18	.30	.41	.69				
SANTA ANA																	
057180001A01	72	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									8.19				
	73	25	LD	LD	LD	LD	.07	.10	.12	.21	.34	.81	1.25				
	74	29	LD	.06	.21	.25	.29	.34	.47	1.00	1.79	4.26	9.92	1.637	2.79	.544	4.67
TORRANCE																	
058260001A01	72	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									1.63				
	73	25	LD	LD	LD	LD	.06	.23	.27	.36	.68	.79	3.58				
	74	28	LD	.06	.09	.10	.26	.41	.46	.78	1.18	2.31	6.48	.972	1.83	.361	4.48
COLORADO																	
DENVER																	
060580001A01	71*	17	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.10				
	72*	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	18	LD	LD	LD	LD	LD	LD	.08	.13	.15	.25	1.72				
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	72	30	LD	LD	LD	LD	.08	.13	.19	.31	.39	1.09	1.30				
	73	28	LD	LD	LD	.06	.13	.19	.32	.41	.79	1.28	3.79	.612	.92	.216	4.84

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POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = MI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD.
CONNECTICUT																	
BRIDGEPORT																	
07004000 1A01	74*	24	LD	LD	LD	.04	.19	.38	.44	.93	1.17	1.97	2.35	.685	.73	.276	5.18
HARTFORD																	
07042000 1A01	71	23	LD	LD	.20	.21	.28	.40	.57	.59	.78	2.19	3.29	.811	.96	.405	3.74
	72	29	LD	LD	LD	.08	.12	.24	.26	.39	.71	.85	2.33	.458	.61	.193	4.18
	73	28	LD	LD	LD	.08	.08	.19	.27	.66	.89	.91	3.67	.532	.80	.194	4.62
	74	29	LD	LD	.06	.10	.15	.28	.33	.53	.69	1.90	3.67	.622	.86	.295	4.36
NEW HAVEN																	
07070000 1A01	72	29	LD	.07	.09	.14	.20	.24	.33	.50	.79	1.08	2.15	.484	.51	.280	3.03
	73	31	LD	LD	LD	.04	.20	.34	.50	.82	1.33	1.97	3.98	.678	.88	.249	5.21
	74	30	.05	.05	.12	.18	.34	.40	.60	.76	.93	1.90	5.77	.780	1.10	.396	3.41
WATERBURY																	
07124000 1A01	72	24	LD	LD	.05	.15	.21	.30	.49	.67	.78	.89	2.41	.517	.55	.261	3.97
	73	29	LD	LD	.06	.12	.15	.22	.37	.66	.84	1.99	3.39	.492	.89	.243	4.65
	74	24	LD	LD	.15	.17	.39	.68	.77	1.28	1.34	3.19	5.29	1.044	1.29	.485	4.26
DELAWARE																	
NEWARK																	
08014000 1A01	72*	25	LD	LD	LD	LD	.08	.10	.15	.24	.30	.57	2.93				
	73	27	LD	.08	.10	.15	.17	.27	.35	.53	.69	.71	2.98	.434	.56	.258	2.92
	74*	19	LD	LD	LD	.07	.19	.32	.43	.77	1.28	1.81	3.42	.763	.93	.272	5.59
WILMINGTON																	
08026000 3A01	72	27	LD	.05	.06	.12	.15	.19	.23	.38	.51	.63	1.32	.314	.32	.192	2.93
	73*	17	LD	.06	.06	.16	.18	.27	.44	.58	.65	.69	.79	.364	.27	.239	2.95
	74	26	LD	.05	.07	.09	.15	.30	.38	.45	1.41	1.96	2.39	.620	.75	.278	3.98
DISTRICT OF CO																	
WASHINGTON																	
09002000 1A01	72*	22	LD	.07	.13	.34	.91	.98	.54	.55	1.15	1.18	2.88	.672	.65	.422	3.02
	73*	20	LD	LD	LD	.16	.27	.30	.33	.39	.69	.99	1.87	.436	.47	.228	3.86
FLORIDA																	
JACKSONVILLE																	
10196000 2A01	72	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%										LD			
	73	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%										.43			
MIAMI																	
10270000 2A01	71	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%										LD			
	72	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%										LD			
	73*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%										LD			
	74	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%										LD			
ST PETERSBURG																	
10398000 2A01	72	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%										.34			
	73*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%										LD			
	74*	15	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%										.04			
TAMPA																	
10936000 2A01	72	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. EXCEEDS 50%										LD			
GEORGIA																	
ATLANTA																	
11020000 1A01	72	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%										.76			
	73	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%										2.23			
	74	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%										1.03			
COLUMBUS																	
11128000 1A01	72	32	LD	LD	LD	LD	LD	LD	LD	.04	.07	.21	.73	1.99			
	73	38	LD	NO. OF SAMPLES (32) BELOW MIN. DET. EXCEEDS 50%										3.08			
	74*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%										.99			
SAVANNAH																	
11450000 1A01	72*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%										1.99			
	73*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%										2.84			
HAWAII																	
HONOLULU																	
12012000 1A01	72	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%										LD			
	73	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. EXCEEDS 50%										LD			
	74	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%										.29			
IDAHO																	
BOISE CITY																	
13022000 1A01	71*	14	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%										LD			
	72	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%										LD			
	73	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. EXCEEDS 50%										LD			

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POLLUTANT = 12301 = AMMONIUM
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INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
CHICAGO																	
141220001A01	71	25	.07	.11	.13	.21	.28	.44	.58	.66	.78	2.30	6.08	.885	1.35	.430	3.24
	72	27	LD	LD	LD	LD	.14	.14	.23	.27	.53	.69	1.95				
	73*	24	LD	LD	LD	.07	.11	.13	.17	.28	.31	.63	1.73	.270	.37	.141	3.28
EAST ST LOUIS																	
142120009A01	72	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.57				
	73*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.23				
JOLIET																	
143760001A01	71*	22	LD	LD	LD	LD	LD	LD	.07	.12	.35	.91	1.10				
	72	26	LD	LD	LD	LD	LD	.05	.09	.10	.37	.52	1.16				
	73*	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									1.04				
MOLINE																	
145120001A01	72*	23	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									2.31				
	73*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.21				
	74	25	LD	LD	LD	LD	LD	.08	.09	.19	.30	.95	2.05				
NORTH CHICAGO																	
145620002A01	71	24	LD	LD	LD	LD	LD	LD	.06	.07	.09	.86	1.09				
	72	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.60				
	73*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.62				
PEORIA																	
146080001A01	71	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									4.33				
	72	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.99				
	73*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.79				
ROCKFORD																	
146680001A01	72*	21	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.34				
ROCK ISLAND																	
146700001A01	71	24	LD	LD	LD	LD	LD	LD	.06	.09	.11	.15	2.71				
	72	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.41				
	73*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	21	LD	LD	LD	LD	.09	.12	.12	.15	.32	.38	1.78				
SPRINGFIELD																	
147280001A01	71	26	LD	LD	LD	.07	.07	.08	.12	.14	.24	.27	6.43				
	72	25	LD	LD	LD	LD	LD	.05	.05	.10	.11	.50	2.48				
	73*	26	LD	LD	LD	LD	.06	.09	.11	.16	.20	.23	1.48				
	74	27	LD	LD	LD	LD	.08	.11	.25	.59	1.39	1.48	3.24				
INDIANA																	
EAST CHICAGO																	
151180001A01	71	24	LD	LD	LD	LD	LD	.09	.15	.23	.57	.69	1.31				
	72	29	LD	LD	LD	LD	LD	.06	.08	.08	.17	.28	1.32				
	73*	26	LD	LD	.06	.08	.08	.12	.28	.37	.62	.68	1.93	.311	.33	.165	3.92
	74	28	LD	LD	.10	.13	.17	.28	.31	.49	.79	.99	4.32	.577	.92	.252	3.87
EVANSVILLE																	
151300001A01	71	26	LD	LD	LD	LD	LD	LD	.06	.08	.10	.11	.16	4.42			
	72	29	LD	LD	LD	LD	LD	.05	.05	.07	.28	.57	3.25				
	73*	24	LD	LD	LD	LD	.06	.08	.11	.15	.18	.63	1.92				
	74*	24	LD	LD	LD	LD	.08	.12	.16	.34	.60	.71	1.89				
FORT WAYNE																	
151380002A01	72	30	LD	LD	LD	LD	LD	.05	.05	.07	.11	.42	2.02				
	73*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									1.42				
GARY																	
151520001A01	71*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									.38				
	72	27	LD	LD	LD	LD	LD	.05	.05	.06	.06	.08	.79				
	73*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									.47				
	74	25	LD	LD	LD	.06	.06	.19	.21	.26	.48	.68	1.24				
HAMMOND																	
151780001A01	71	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									2.35				
	72	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									7.78				
	73*	19	LD	LD	.06	.08	.10	.11	.12	.13	.17	.31	.54	.154	.13	.110	2.38
HAMMOND																	
151780002A01	74	27	LD	LD	LD	.06	.14	.19	.28	.41	.69	1.20	4.07	.484	.82	.178	4.83
INDIANAPOLIS																	
152040F01A01	71	25	LD	LD	LD	.06	.07	.08	.09	.30	.33	.57	1.26	.230	.31	.112	3.37
	72*	25	LD	LD	LD	.06	.07	.10	.28	.36	.46	.70	2.77				
	73*	23	LD	LD	LD	.06	.08	.12	.20	.27	.35	1.12	1.85				
NEW ALBANY																	
152980002A01	72*	24	LD	LD	LD	LD	LD	.08	.09	.09	.20	.25	6.67				
	73*	22	LD	LD	.08	.10	.14	.16	.20	.31	.35	.68	2.09	.364	.54	.187	3.11
SOUTH BEND																	
153880002A01	71*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									1.29				
	72*	25	LD	LD	LD	LD	LD	.10	.10	.12	.13	.18	.26				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 - AMMONIUM
METHOD = 92 - HI-VOL SODIUM PHENOLATE
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 24
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	73*	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.74				
	74	30	LD	LD	LD	LD	.06	.12	.50	.58	.77	1.28	5.79				
TERRE HAUTE																	
154080001A01	71*	17	LD	LD	LD	LD	LD	.06	.08	.25	.33	.78	2.97				
	72	26	LD	LD	LD	LD	LD	.10	.14	.15	.25	.60	3.85				
	74*	20	LD	LD	LD	.10	.17	.31	.52	.56	1.15	1.65	2.64	.650	.77	.268	4.77
IOWA																	
CEDAR RAPIDS																	
160490001A01	71*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									1.07				
DAVENPORT																	
161060001A01	71*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.29				
	74	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									3.30				
DES MOINES																	
161180001A01	71	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.37				
	72	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									.18				
	74	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
DUBUQUE																	
161260001A01	72*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.38				
	73*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.28				
DUBUQUE																	
161260002A01	72*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.54				
	74	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									1.07				
DUBUQUE																	
161260008A01	74	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									2.80				
WATERLOO																	
163740009A01	71*	14	LD	NO. OF SAMPLES (9) BELOW MIN. DET. EXCEEDS 50%									.89				
	72*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.30				
KANSAS																	
KANSAS CITY																	
171800002A01	71	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.09				
	72	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									.09				
	74	28	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									.63				
KANSAS CITY																	
171800012A01	74*	26	LD	LD	LD	LD	LD	.06	.10	.14	.30	.81	1.51				
TOPEKA																	
173560001A01	71	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.52				
	72	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.74				
WICHITA																	
173740001A01	71	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	72*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.32				
KENTUCKY																	
ASHLAND																	
180080002A01	71	23	LD	LD	LD	LD	.09	.12	.18	.29	.90	2.58	8.01				
	72	29	LD	LD	LD	LD	.06	.07	.08	.59	1.00	2.59	9.84				
	73*	26	LD	LD	LD	.07	.09	.10	.12	.15	.39	.63	2.57	.343	.61	.129	3.80
	74	30	LD	LD	LD	.12	.18	.27	.39	.73	1.80	2.67	9.85	.999	1.85	.293	5.82
BOWLING GREEN																	
180320001A01	71	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.79				
	72	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									10.88				
	73*	22	LD	LD	LD	LD	LD	LD	.06	.20	.23	.33	3.12				
	74	26	LD	LD	LD	LD	LD	.07	.12	.18	.29	.77	1.21				
COVINGTON																	
180800001A01	71	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									1.80				
	72	28	LD	LD	LD	LD	.05	.06	.07	.11	.25	.81	4.32				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 - AMMONIUM
METHOD = 02 - HI-VOL SODIUM PHENOLATE
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 97
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KENTUCKY																	
COVINGTON																	
180800001A01	74	27	LD	LD	LD	LD	.07	.10	.20	.38	.91	1.29	3.69				
LEXINGTON																	
182300001A01	71	25	LD	LD	LD	LD	.06	.09	.11	.17	.20	.40	2.97				
	72	25	LD	LD	LD	LD	.08	.13	.17	.31	.39	1.21	6.63				
LOUISVILLE																	
182380002A01	74*	25	LD	LD	LD	LD	LD	.14	.19	.27	.32	.88	1.87				
LOUISVILLE																	
182380003A01	71	24	LD	LD	LD	LD	.06	.07	.08	.22	.27	.82	9.11				
	73*	19	LD	LD	LD	LD	.06	.07	.09	.18	.22	.23	1.31				
LOUISIANA																	
BATON ROUGE																	
190280001A01	71	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEED$ 50%									.10				
	72	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEED$ 50%									1.23				
	73*	21	LD	LD	LD	LD	LD	.05	.06	.06	.06	.08	.09				
	74	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEED$ 50%									.91				
NEW ORLEANS																	
192020002A01	71	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEED$ 50%									LD				
	72	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEED$ 50%									.15				
	73*	20	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEED$ 50%									4.17				
	74*	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEED$ 50%									2.89				
SHREVEPORT																	
192740001A01	71	21	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEED$ 50%									2.52				
	72	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEED$ 50%									.83				
	73*	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEED$ 50%									1.65				
	74	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEED$ 50%									.59				
MAINE																	
PORTLAND																	
200960002A01	71	24	LD	LD	.08	.10	.20	.22	.37	.63	.74	3.37	9.59	.790	1.25	.247	9.81
	72*	22	LD	LD	LD	LD	.06	.15	.32	.58	1.29	1.70	2.66				
	74*	20	LD	LD	LD	LD	LD	LD	.11	.18	.22	.90	.93				
MARYLAND																	
BALTIMORE																	
210120001A01	71*	24	LD	LD	LD	.06	.09	.13	.18	.32	.45	.65	4.23	.977	1.24	.198	9.12
	72	26	LD	LD	.08	.11	.16	.17	.19	.28	.59	.77	9.97	.996	.92	.203	3.69
	73	32	LD	LD	LD	LD	.07	.17	.31	.90	.63	1.03	2.92				
	74	24	LD	LD	LD	.05	.19	.23	.34	.51	.65	1.09	1.53	.397	.92	.189	9.15
MASSACHUSETTS																	
BOSTON																	
220240001A01	72*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEED$ 50%									.82				
CAMBRIDGE																	
220360001A01	71	21	LD	LD	LD	LD	.09	.21	.26	.90	.86	1.81	2.63				
FALL RIVER																	
220580002A01	71	23	LD	LD	.08	.08	.17	.20	.28	.92	.69	.89	1.08	.349	.33	.193	3.80
SPRINGFIELD																	
222140002A01	71*	17	LD	LD	.05	.11	.13	.25	.28	.55	.67	.82	3.23	.519	.79	.221	3.95
	72*	24	LD	LD	.06	.06	.11	.21	.21	.39	.71	1.21	1.63	.392	.95	.182	3.91
	74*	35	LD	LD	LD	LD	.07	.14	.26	.36	.52	.99	1.59				
WORCHESTER																	
222690001A01	71	25	LD	LD	.06	.13	.18	.33	.68	.76	1.20	2.16	3.90	.762	.95	.309	9.73
	72	27	LD	LD	LD	LD	.08	.12	.13	.19	.45	.67	2.19				
	73*	25	LD	LD	LD	.09	.12	.14	.22	.30	.51	.59	.82	.261	.23	.149	3.16
	74*	29	LD	LD	LD	.06	.08	.22	.27	.33	.42	.86	1.78	.362	.96	.156	3.99
MICHIGAN																	
DEARBORN																	
231190001A01	72	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEED$ 50%									1.63				
	73*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEED$ 50%									.79				
	74	26	LD	LD	LD	.06	.13	.22	.26	.27	.92	1.20	6.77				
DETROIT																	
231180001A01	71	22	LD	LD	LD	LD	.04	.07	.11	.13	.19	.26	2.10				
	72	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEED$ 50%									1.61				
	73*	26	LD	LD	LD	LD	.07	.09	.12	.19	.52	.89	.92				
FLINT																	
231580001A01	71	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEED$ 50%									LD				
	72	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEED$ 50%									.87				
	73*	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEED$ 50%									3.80				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
GRAND RAPIDS																	
261620001A01	71*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									1.29				
	72	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									1.02				
	73*	23	LD	LD	LD	LD	LD	.07	.09	.17	.20	.96	1.91				
LANSING																	
2328400001A01	71	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									2.62				
	72	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.60				
	73*	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									2.11				
	74*	21	LD	LD	LD	LD	LD	.05	.07	.18	.91	1.92	8.70				
SAGINAW																	
2397600001A01	71	28	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									1.19				
	72*	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.99				
	73*	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									2.23				
	74	2*	LD	LD	LD	LD	LD	.07	.08	.11	.13	.61	5.45				
TRENTON																	
2351200001A01	71	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.89				
	72	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									2.59				
	73*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									1.19				
MINNESOTA																	
DULUTH																	
2410400001A01	71	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.89				
	72	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									1.09				
	73*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.11				
	74	29	LD	LD	LD	LD	LD	.06	.07	.10	.15	.16	.39				
MINNEAPOLIS																	
2422400001A01	71	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									1.09				
	72	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.93				
	73*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.97				
MOORHEAD																	
2423200001A01	71*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									LD				
	72*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									LD				
ST PAUL																	
2433000001A01	71*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.22				
	72	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.55				
	73*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.18				
	74	28	LD	LD	LD	LD	LD	.06	.15	.18	.29	.78	2.23				
MISSISSIPPI																	
JACKSON																	
2812400002A01	73	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									1.09				
	74	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									1.53				
MISSOURI																	
KANSAS CITY																	
2623800002A01	73	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.81				
ST LOUIS																	
2647800001A01	71	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									1.26				
	72	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									1.96				
	73	28	LD	LD	LD	LD	LD	.08	.08	.10	.16	.28	.98				
	74	27	LD	LD	LD	.06	.13	.19	.18	.26	.63	1.08	4.84	.511	1.00	.166	9.91
MONTANA																	
HELENA																	
2707200001A01	71	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.18				
NEBRASKA																	
LINCOLN																	
2815600002A01	71	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.62				
	72	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	31	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	30	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.19				
OMAHA																	
2816800001A01	71	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.90				
	72	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	31	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									1.69				
	74	30	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.21				
NEVADA																	
LAS VEGAS																	
2903200001A01	71*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.46	+- 47
71-73	> 0.46	+- 26
74	> 0.46	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEVADA																	
RENO																	
29049000101A01	71*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	27	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									1.52				
NEW HAMPSHIRE																	
CONCORD																	
30012000101A01	71	36	LD	LD	LD	LD	.06	.08	.11	.13	.20	.29	2.29				
	72	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									2.48				
	74	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									2.29				
NEW JERSEY																	
BAYONNE																	
31018000101A01	72*	24	LD	LD	LD	.10	.26	.66	.96	1.18	1.19	1.95	9.00	.821	.92	.325	5.40
	74*	22	LD	LD	LD	.20	.26	.36	.92	.92	1.59	2.05	3.21	.772	.87	.308	5.26
BURLINGTON CO																	
31066000201A01	71	25	LD	LD	LD	.12	.22	.29	.39	.96	.53	.81	1.23	.369	.33	.197	3.81
CAMDEN																	
31072000101A01	72*	19	LD	LD	.24	.31	.37	.81	1.05	1.21	1.48	2.21	6.34	1.321	1.74	.582	9.49
	73*	18	LD	LD	LD	LD	.08	.22	.57	.80	.84	1.79	9.35				
	74*	16	LD	.15	.18	.37	.46	.58	1.09	1.06	1.62	1.86	3.91	1.090	1.09	.622	3.86
CAMDEN CO																	
31074000201A01	72*	19	LD	LD	LD	LD	.09	.19	.17	.91	.99	.72	2.31				
	73*	19	LD	LD	.07	.08	.11	.22	.25	.92	.59	.97	6.65	.673	1.50	.209	9.93
ELIZABETH																	
31130000201A01	71	24	LD	.09	.18	.36	.61	.77	.86	1.06	1.51	1.81	2.39	.887	.66	.585	3.08
	72*	26	LD	LD	LD	.25	.32	.62	.69	.93	1.13	1.59	10.66	1.199	2.12	.902	5.21
	74	26	LD	LD	.19	.33	.90	.58	1.11	1.96	2.09	2.43	5.60	1.102	1.31	.549	4.89
GLASSBORO																	
31170000101A01	71*	19	LD	.09	.19	.26	.33	.35	.36	.93	.86	.95	1.39	.953	.36	.323	2.57
	72	29	LD	LD	.06	.07	.29	.29	.39	.96	.75	1.91	2.77	.562	.72	.292	4.20
	73*	24	LD	LD	.09	.19	.23	.30	.47	.59	1.22	3.52	.525	.75	.249	3.67
	74	27	LD	LD	LD	.09	.18	.25	.33	.90	.62	1.26	4.27	.596	.95	.227	4.39
JERSEY CITY																	
31232000101A01	71	24	LD	.16	.34	.46	.68	.75	.76	1.29	1.55	1.93	2.66	.968	.70	.690	2.73
	72	29	LD	LD	LD	.19	.16	.37	.46	.82	1.09	1.49	3.62	.662	.84	.260	4.83
	73	30	LD	.08	.13	.15	.23	.28	.47	.77	1.05	2.59	4.24	.800	1.08	.379	3.51
	74*	19	LD	.11	.21	.29	.90	.69	1.03	1.18	1.76	2.25	3.02	1.010	.89	.588	3.50
NEWARK																	
31348000101A01	71*	22	.07	.11	.28	.35	.80	.94	1.29	1.52	1.88	2.95	7.60	1.926	1.65	.813	3.22
	72	28	LD	LD	.13	.17	.35	.46	.55	.89	1.07	1.79	6.25	.919	1.37	.393	4.26
	74	28	.05	.12	.27	.35	.46	.65	.87	1.44	1.71	2.50	5.89	1.258	1.50	.687	3.23
PATERSON																	
31419000101A01	74*	21	LD	LD	LD	.06	.07	.39	.77	.91	1.25	1.48	2.29	.610	.66	.249	5.00
PERTH AMBOY																	
31422000101A01	71	25	.05	.23	.26	.48	.79	.94	.98	1.29	1.52	3.39	5.00	1.213	1.20	.740	3.06
	72	25	LD	LD	LD	.13	.19	.31	.61	.88	1.32	1.78	2.56	.673	.74	.271	4.97
TRENTON																	
31540000101A01	71*	16	LD	LD	LD	.06	.10	.13	.29	.27	.35	.92	1.02	.247	.27	.140	3.22
	72	28	LD	LD	LD	LD	LD	.06	.23	.34	.54	.89	5.59				
	74	25	LD	LD	LD	.17	.31	.39	.59	.90	1.36	2.19	7.99	.968	1.66	.308	5.74
NEW MEXICO																	
ALBUQUERQUE																	
32004000101A01	71	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									.23				
	72	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.20				
NEW YORK																	
ALBANY																	
33004000101A01	71*	23	LD	LD	.05	.07	.10	.17	.18	.20	.28	.61	2.22	.310	.49	.153	3.12
	72	24	LD	LD	LD	LD	LD	.07	.20	.34	.39	2.02	2.79				
	74	23	LD	LD	.05	.09	.16	.36	.52	.69	.81	3.39	4.19	.847	1.26	.288	5.17
NEW YORK CITY																	
33968000101A01	71*	19	LD	.09	.26	.36	.57	.93	.94	1.51	2.00	2.21	4.35	1.243	1.19	.707	3.68
	72	29	LD	.06	.11	.20	.27	.39	.53	.74	.89	1.99	4.83	.821	1.19	.371	3.88
	73	28	LD	LD	.11	.25	.31	.37	.91	.68	.89	1.65	4.57	.751	1.00	.337	4.25
	74	26	LD	.07	.17	.28	.42	.51	.57	.67	1.26	1.50	3.18	.707	.70	.421	3.30
NIAGARA FALLS																	
33979000101A01	71	26	LD	LD	LD	LD	LD	.05	.09	.17	.21	.22	.89				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 28
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW YORK																	
NIAGARA FALLS																	
3329400001A01	72	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									2.45				
	74	26	LD	LD	LD	.08	.08	.30	.48	.56	.75	.86	2.49	.462	.55	.199	4.47
ROCHESTER																	
3356600001A01	71	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									2.23				
	72	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									2.30				
	73*	21	LD	LD	.09	.20	.25	.47	.69	1.20	2.09	3.35	7.09	1.271	1.78	.473	4.96
	74	30	LD	LD	LD	LD	.06	.17	.31	.43	.78	.92	3.10				
SYRACUSE																	
3366200001A01	71	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.79				
	72	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	20	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									3.06				
	74	26	LD	LD	LD	LD	LD	.06	.08	.10	.20	.49	1.97				
UTICA																	
3368800001A01	71	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.63				
	72	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.34				
	74*	20	LD	LD	LD	LD	.07	.09	.10	.36	.43	.60	3.81				
YONKERS																	
3376200001A01	71*	21	LD	LD	LD	LD	.05	.18	.23	.47	.69	1.26	2.28				
	72*	18	LD	LD	LD	LD	.08	.12	.35	.72	.90	1.47	8.18				
	74*	18	LD	LD	.05	.07	.17	.36	.58	.64	1.06	1.90	4.59	.811	1.13	.301	5.13
NORTH CAROLINA																	
CHARLOTTE																	
3407000001A01	72	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.81				
	73	29	LD	LD	LD	LD	LD	.05	.05	.10	.18	.47	2.04				
	74	30	LD	LD	.05	.07	.09	.13	.19	.54	.80	1.41	3.79	.562	.88	.190	4.67
DURHAM																	
3411600001A01	71*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. EXCEEDS 50%									.55				
	72	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.73				
	73	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									4.14				
	74	24	LD	LD	LD	LD	.05	.08	.14	.24	.50	1.24	2.62				
GREENSBORO																	
3417400001A01	72*	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.71				
	73	30	LD	LD	LD	LD	LD	LD	.16	.20	.44	1.16	2.77				
	74	30	LD	LD	LD	.05	.09	.24	.53	.62	1.16	1.72	4.19				
WINSTON-SALEM																	
3449400002A01	71	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									1.51				
	72	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									7.62				
	73*	23	LD	LD	LD	LD	LD	.06	.16	.28	.55	1.59	2.99				
	74	26	LD	LD	LD	.06	.08	.11	.51	.66	1.38	1.58	2.99	.643	.81	.218	5.92
NORTH DAKOTA																	
BISMARCK																	
3501000001A01	71	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.56				
	72	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
OHIO																	
AKRON																	
3600400001A01	71	25	LD	LD	LD	LD	LD	.05	.13	.17	.31	.61	1.66				
	72*	25	LD	LD	LD	LD	LD	.07	.13	.38	.92	2.08	2.20				
	73*	25	LD	LD	.06	.06	.10	.14	.24	.33	.53	.89	4.45	.426	.87	.168	3.78
	74*	16	.05	.12	.19	.25	.33	.33	.47	.68	1.03	1.66	4.15	.866	1.11	.470	3.12
CANTON																	
3610000001A01	71	23	LD	LD	LD	LD	LD	.06	.17	.28	.51	.57	1.41				
	72	27	LD	LD	LD	LD	.08	.31	.40	.81	1.87	3.80	8.75				
	73*	25	LD	LD	.06	.17	.24	.34	.43	.46	.91	1.31	5.36	.649	1.07	.276	4.18
	74*	22	.07	.12	.21	.31	.38	.44	.70	.91	1.32	2.76	6.40	1.109	1.52	.579	3.12
CINCINNATI																	
3612200001A01	71	23	LD	LD	LD	LD	LD	.07	.09	.15	.69	1.02	2.47				
	72	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									2.22				
	73*	24	LD	LD	.07	.13	.15	.24	.30	.34	.49	.63	2.07	.377	.47	.205	3.33
	74*	22	LD	.16	.18	.35	.38	.40	.53	.67	1.70	2.13	3.67	.863	.94	.506	3.09
CLEVELAND																	
3613000001A01	72*	23	LD	LD	LD	LD	LD	.06	.06	.12	.16	.34	3.56				
COLUMBUS																	
3614600001A01	71	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.39				
	72	30	LD	LD	LD	LD	LD	.13	.15	.39	1.09	1.32	3.09				
DAYTON																	
3616600001A01	71*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									1.20				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 02 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	72	28	LD	LD	LD	LD	LD	.05	.25	.51	.66	1.63	7.07				
	73*	25	LD	LD	.08	.12	.15	.27	.33	.49	.62	1.22	2.72	.468	.59	.239	3.53
INGNTON																	
363080002A01	71	23	LD	.05	.10	.23	.42	.47	.63	1.07	1.67	6.19	10.26	1.674	2.73	.581	4.67
	72	23	LD	LD	LD	LD	LD	.20	.36	.39	1.65	3.46	13.91				
	73*	19	LD	LD	.10	.17	.20	.23	.42	.68	.86	1.43	5.11	.817	1.28	.306	4.66
PORTSMOUTH																	
365620002A01	71	25	LD	LD	LD	LD	LD	.19	.22	.25	.31	.75	2.68				
	72	28	LD	LD	LD	LD	.05	.12	.16	.34	.42	1.63	4.69				
	73*	24	LD	LD	LD	LD	.09	.17	.19	.29	.37	.41	1.69				
STEUBENVILLE																	
3AA420001A01	71	23	LD	LD	.05	.06	.08	.14	.28	.48	.63	1.03	5.45	.577	1.16	.185	4.53
	72*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									1.49				
	73*	22	LD	LD	LD	LD	LD	.13	.16	.23	.40	.73	2.16				
TOLEDO																	
366600001A01	71*	22	LD	LD	LD	LD	LD	.07	.10	.14	.22	.78	1.27				
	72	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									1.77				
	73*	24	LD	LD	LD	LD	LD	.07	.09	.14	.43	.78	2.92				
	74*	17	LD	.08	.10	.17	.38	.96	1.26	1.44	1.61	2.04	6.16	1.358	1.75	.565	4.68
YOUNGSTOWN																	
367760001A01	71	25	LD	LD	LD	.06	.13	.17	.18	.39	.58	1.29	2.42				
	72	30	LD	LD	LD	LD	.08	.11	.14	.20	.62	.88	3.19				
	73*	24	.08	.08	.13	.16	.22	.25	.31	.38	.60	.90	1.42	.901	.37	.283	2.31
	74*	23	LD	.10	.30	.42	.57	.71	.87	.92	.98	1.38	3.51	.862	.78	.573	2.91
OKLAHOMA																	
OKLAHOMA CITY																	
372200015A01	72	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.32				
	74*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									LD				
OKLAHOMA CITY																	
372200029A01	72	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									LD				
TULSA																	
373000001A01	71	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.12				
	72*	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	74	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.20				
OREGON																	
PORTLAND																	
381460001A01	71*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									.88				
	72	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									1.06				
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	71	24	LD	LD	.12	.17	.32	.33	.36	.70	.95	1.77	4.95	.742	1.08	.335	4.00
	72	28	LD	LD	.05	.06	.07	.08	.10	.18	.30	.87	2.06	.247	.41	.113	3.25
	73	26	LD	LD	LD	.09	.11	.19	.20	.33	.42	.59	4.48	.417	.86	.168	3.79
	74	25	LD	LD	.06	.10	.13	.25	.31	.58	.82	1.65	8.46	.758	1.67	.243	4.60
ALTOONA																	
390140001A01	71	25	LD	.06	.15	.26	.28	.49	.60	.77	.95	1.88	5.22	.804	1.09	.406	3.58
	72	30	LD	LD	LD	.07	.09	.16	.23	.31	.52	.67	8.68	.627	1.67	.167	4.33
	73	27	LD	LD	LD	.09	.17	.25	.28	.42	.73	1.02	9.01	.823	1.89	.233	4.72
	74*	21	LD	LD	LD	.13	.33	.51	.54	1.04	1.16	1.27	2.66	.651	.65	.319	4.47
BETHLEHEM																	
390780002A01	71	25	LD	LD	LD	LD	.05	.10	.14	.33	.55	.98	1.67				
	72	29	LD	LD	.06	.08	.10	.13	.19	.21	.35	.99	3.99	.537	1.04	.178	4.09
	73	26	LD	LD	.06	.10	.13	.20	.27	.63	.77	1.78	3.01	.621	.87	.249	4.23
	74*	23	LD	LD	.06	.08	.22	.24	.25	.34	.45	.92	2.83	.415	.61	.195	3.70
CLEARFIELD CO																	
391820001A01	72*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									3.28				
ERIE																	
393060002A01	71	24	LD	LD	LD	LD	LD	LD	.08	.22	.25	1.11	1.47				
	72	27	LD	LD	LD	.05	.06	.07	.07	.08	.30	.50	3.95	.304	.77	.090	3.72
	73	26	LD	LD	LD	.06	.08	.09	.14	.18	.80	1.43	7.18				
	74*	20	LD	LD	LD	.05	.09	.10	.40	.92	1.09	2.40	2.87	.498	.93	.209	5.95
HARRISBURG																	
393880001A01	71	25	LD	LD	.05	.13	.18	.23	.38	.50	.71	1.04	1.99	.919	.91	.221	3.69
	72	28	LD	LD	.05	.09	.12	.20	.26	.41	.62	.79	3.38	.492	.68	.198	3.76
	73*	22	LD	LD	.06	.14	.20	.26	.29	.51	1.27	2.09	2.85	.665	.87	.282	4.25

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = NESSLER-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
HAZLETON																	
393960001A01	71	25	LD	LD	LD	LD	.05	.07	.13	.16	.38	.69	1.48				
	72	28	LD	LD	LD	LD	.09	.15	.32	.58	1.37	2.91					
	73	30	LD	LD	.06	.13	.15	.22	.33	.45	.69	.88	3.67	.493	.73	.228	3.73
	74	29	LD	LD	.06	.08	.13	.22	.37	.44	.82	2.15	6.26	.812	1.40	.252	4.93
LANCASTER CITY																	
394660002A01	74*	23	LD	LD	LD	.05	.08	.19	.40	.50	.69	1.28	2.62				
PHILADELPHIA																	
397190001A01	71	24	LD	.06	.18	.31	.43	.47	.51	.71	1.26	1.49	3.49	.733	.76	.451	3.01
	72	27	LD	LD	LD	.06	.09	.14	.20	.37	1.19	1.31	2.79	.500	.70	.178	4.66
	73	25	.07	.07	.07	.12	.17	.23	.39	.58	.99	2.47	7.78	.880	1.69	.322	3.89
PHILADELPHIA																	
397190004A01	74	27	LD	LD	.06	.14	.24	.43	.46	1.05	1.49	1.96	3.18	.817	.90	.368	4.38
PITTSBURGH																	
397260001A01	71*	19	LD	LD	.08	.12	.15	.24	.25	.27	.47	.87	1.93	.392	.48	.201	3.53
	72	27	LD	LD	.06	.07	.09	.14	.21	.57	.77	1.21	4.10	.649	1.07	.211	4.73
	73	28	LD	.06	.19	.21	.27	.30	.61	.59	.86	2.47	7.06	.934	1.98	.395	3.85
	74	29	LD	.07	.11	.25	.34	.44	.63	.76	.90	2.69	4.68	.885	1.11	.439	3.59
READING																	
397620001A01	71*	17	LD	LD	.09	.19	.23	.39	.40	.79	1.03	1.07	2.66	.598	.65	.325	3.65
	72	29	LD	LD	LD	LD	.06	.12	.19	.30	.55	.88	3.99				
	73*	20	LD	LD	.06	.13	.19	.33	.43	.44	.66	.99	2.01	.449	.47	.240	3.65
SCRANTON																	
398040001A01	71	24	LD	LD	LD	.07	.08	.13	.70	.73	.78	.93	1.89				
	72	28	LD	LD	LD	LD	LD	.07	.09	.29	.54	1.05	2.50				
	73	26	LD	LD	LD	.12	.20	.25	.30	.42	.82	1.19	4.16	.585	.89	.229	4.54
	74	23	LD	LD	.05	.19	.19	.24	.27	.31	.43	1.99	3.10	.523	.82	.210	4.07
WARMINSTER																	
399160001A01	74*	18	LD	LD	LD	LD	.05	.07	.08	.20	.25	.68	2.99				
WEST CHESTER																	
399280001A01	73*	24	LD	LD	LD	.05	.06	.23	.27	.34	.82	1.08	1.26	.374	.42	.167	4.18
WILKES-BARRE																	
399430001A01	71	25	LD	LD	LD	.14	.17	.31	.39	.42	.53	.85	1.83	.378	.40	.198	3.73
	72	28	LD	LD	.05	.06	.11	.18	.35	.73	.82	1.42	1.84	.517	.59	.215	4.49
	73	26	LD	.06	.11	.17	.29	.49	.69	.69	.95	1.50	5.71	.819	1.18	.401	3.58
	74	29	LD	LD	.16	.22	.28	.34	.37	.82	1.36	2.23	6.15	.891	1.27	.377	4.36
YORK																	
399560001A01	71	25	LD	LD	LD	LD	.05	.06	.07	.15	.16	.49	1.92				
	72	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									2.69				
	73	24	LD	LD	LD	LD	LD	LD	.12	.29	.38	.73	3.75				
PUERTO RICO																	
BAYAMON																	
400360002A01	71*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.40				
	74*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.08				
CATANO																	
400540002A01	72	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.09				
	73*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.13				
GUAYANILLA																	
401080002A01	71	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.06				
	72	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									LD				
PONCE																	
401920002A01	71	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	18	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									LD				
SAN JUAN																	
402140001A01	71*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									LD				
	74*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.08				
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	71	23	LD	LD	LD	.10	.17	.26	.33	.39	.42	.53	.93	2.58	.490	.58	.267	3.97
	72	28	LD	LD	LD	LD	.05	.09	.11	.23	.31	.51	2.69				
	73*	27	LD	LD	LD	.05	.07	.07	.08	.31	.42	.83	1.56	.277	.38	.115	3.78
PROVIDENCE																	
410300001A01	71	24	LD	LD	.05	.14	.26	.40	.47	1.07	1.09	1.35	2.18	.670	.61	.325	4.81

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 = AMMONIUM
METHOD = 92 = HI-VOL SODIUM PHENOLATE
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS: ±
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- .2

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
PROVIDENCE																	
410300001A01	72	28	LD	.18	.18	.21	.22	.25	.26	.31	.39	.80	2.25	.397	.43	.281	2.29
	73*	26	LD	LD	LD	.07	.10	.24	.42	.50	.79	.93	3.78	.538	.82	.199	4.70
	74*	20	LD	LD	.09	.10	.15	.22	.29	.31	.76	2.21	5.71	.770	1.37	.251	4.60
SOUTH CAROLINA																	
COLUMBIA																	
420760001A01	72	26	LD	LD	.07	.21	.23	.26	.30	.30	.31	.31	.79	.248	.15	.184	2.60
	73	26	LD	LD	.05	.07	.09	.11	.12	.16	.38	.91	1.89	.263	.41	.129	3.16
	74*	24	LD	LD	LD	LD	.05	.09	.10	.23	.34	.63	1.66				
GREENVILLE																	
421180001A01	71	25	LD	LD	LD	LD	.05	.16	.25	.41	.59	1.27	1.99				
	72	28	LD	LD	LD	LD	LD	.13	.15	.26	.27	.41	1.97				
	73	30	LD	.07	.10	.10	.20	.23	.44	.72	.82	.97	2.93	.504	.69	.273	3.32
	74	30	LD	LD	LD	.05	.20	.48	.69	.92	1.17	1.59	3.03	.688	.77	.267	5.23
SOUTH DAKOTA																	
SIOUX FALLS																	
431490001A01	71	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									1.33				
	72*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
TENNESSEE																	
CHATTANOOGA																	
440380001A01	71*	16	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									1.50				
	72*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									1.61				
KNOXVILLE																	
441740002A01	71*	20	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									.63				
	72	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									2.23				
	74*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									1.98				
MEMPHIS																	
442340001A01	71*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.53				
	72	30	LD	LD	LD	.05	.08	.11	.13	.16	.21	.41	1.78				
	73	29	LD	LD	LD	.05	.05	.05	.08	.08	.16	.21	9.69				
	74	29	LD	LD	LD	LD	LD	.05	.06	.10	.19	.28	1.01				
NASHVILLE																	
442540001A01	72	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.98				
	73	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									9.91				
	74*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									.66				
TEXAS																	
AUSTIN																	
450220002A01	71	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									LD				
CORPUS CHRISTI																	
451150001A01	74*	20	LD	LD	LD	LD	LD	.06	.06	.10	.15	.25	1.06				
DALLAS																	
451310002A01	71	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.09				
	74	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									.78				
EL PASO																	
451700002A01	71*	19	LD	LD	LD	LD	LD	.05	.05	.06	.07	.09	.36				
	72	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.19				
	73	28	LD	LD	.06	.06	.06	.10	.12	.14	.16	.26	.92	.126	.09	.093	2.27
	74	29	LD	LD	LD	LD	LD	.06	.07	.14	.20	.27	1.12				
FORT WORTH																	
451880001A01	71	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.08				
	72	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	26	LD	.06	.06	.06	.06	.08	.08	.09	.11	.11	.16	.082	.02	.077	1.96
	74	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									1.12				
HOUSTON																	
452560001A01	71	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.09				
	72	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	29	LD	.05	.07	.07	.07	.09	.09	.10	.11	.13	.16	.087	.03	.080	1.84
	74	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.23				
LUBBOCK																	
453340001A01	71*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									LD				
PASADENA																	
454040002A01	71	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. EXCEEDS 50%									.21				
	72	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									.65				
	73	25	LD	LD	LD	LD	.05	.05	.07	.10	.14	.30	2.22				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 - AMMONIUM
METHOD = 92 - HI-VOL SODIUM PHENOLATE
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
PASADENA																	
4548060002A01	74*	19	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.15				
SAN ANTONIO																	
4548700001A01	71	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									LD				
	72	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	23	LD	LD	LD	LD	.06	.06	.09	.10	.11	.15	.16				
	74	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									.26				
WICHITA FALLS																	
4555600001A01	71*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. EXCEEDS 50%									LD				
UTAH																	
OGDEN																	
4606800001A01	71	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.06				
	72	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	29	LD	LD	.06	.08	.08	.11	.11	.13	.22	.30	7.91	.388	1.35	.118	3.00
SALT LAKE CITY																	
4609200001A01	71*	19	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									.16				
	72	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									1.73				
	73*	15	LD	LD	LD	LD	LD	.07	.08	.08	.08	.27	1.25				
VERMONT																	
BURLINGTON																	
4701400001A01	71*	19	LD	NO. OF SAMPLES (10) BELOW MIN. DET. EXCEEDS 50%									2.28				
	74	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									1.05				
VIRGINIA																	
DANVILLE																	
4809200001A01	71*	17	LD	LD	LD	.07	.08	.22	.23	.34	.46	.65	1.00	.289	.30	.150	3.68
	72	27	LD	LD	LD	LD	.06	.07	.08	.14	.20	.37	.91				
	74*	21	LD	LD	.06	.13	.15	.64	.87	1.01	1.22	2.00	3.34	.835	.90	.365	4.79
FAIRFAX CO																	
4810600001A01	71	24	LD	LD	.05	.08	.10	.12	.16	.23	.29	.97	1.33	.282	.38	.140	3.31
	72	30	LD	LD	LD	LD	LD	LD	.08	.09	.27	.66	1.89				
	73*	24	LD	LD	.06	.06	.08	.08	.09	.11	.20	.62	1.62	.227	.36	.109	3.07
HAMPTON																	
4811400001A01	71	25	LD	LD	LD	.08	.10	.12	.14	.21	.28	.69	2.07	.275	.43	.127	3.46
	72	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.83				
	73	31	LD	.07	.09	.11	.13	.17	.21	.28	.50	.60	2.19	.315	.39	.200	2.51
	74	25	LD	LD	LD	LD	.05	.09	.11	.51	.56	2.20	4.16				
LYNCHBURG																	
4811800001A01	71	25	.05	.06	.08	.11	.19	.30	.32	.42	.56	.90	1.95	.409	.43	.248	2.82
	72	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									1.89				
	73*	22	.04	.06	.06	.09	.10	.12	.17	.27	.46	.51	1.11	.252	.25	.173	2.39
	74*	16	LD	LD	LD	LD	LD	.09	.19	.36	.42	1.05	3.05				
NEWPORT NEWS																	
4812120001A01	71	25	LD	LD	LD	LD	LD	.06	.07	.11	.16	.26	1.29				
	72	29	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									.61				
	73*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									1.42				
NORFOLK																	
4812140001A01	71	25	LD	LD	.05	.07	.07	.11	.17	.28	.38	.86	.91	.264	.28	.140	3.12
	72	31	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									1.19				
	73	53	LD	LD	LD	LD	LD	.05	.08	.33	.50	1.26	3.39				
	74	30	LD	LD	LD	LD	.05	.19	.78	1.00	1.22	1.82	2.29				
PORTSMOUTH																	
4812440001A01	71*	18	LD	LD	.07	.07	.11	.13	.19	.24	.27	.93	2.07	.369	.55	.161	3.67
	72	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.82				
	73	29	LD	LD	LD	LD	.07	.10	.17	.45	.60	1.00	2.12				
	74*	21	LD	LD	LD	LD	.05	.15	.31	.56	.69	1.20	2.13				
RICHMOND																	
4826400002A01	72*	14	LD	LD	LD	LD	.08	.14	.16	.32	.59	1.21	3.25				
	74	28	LD	LD	.15	.16	.48	.80	1.09	1.67	2.24	3.01	4.07	1.243	1.23	.573	4.70
ROANOKE																	
4827000001A01	71	25	LD	LD	.05	.09	.16	.24	.28	.41	.49	.63	2.07	.340	.43	.182	3.38
	72*	27	LD	LD	LD	LD	LD	.07	.11	.41	.62	.73	2.11				
	73	29	LD	LD	LD	LD	.06	.09	.13	.17	.22	.49	2.11				
	74*	24	LD	LD	LD	LD	LD	.06	.11	.27	.43	.66	2.69				
WASHINGTON																	
SEATTLE																	
4918400001A01	71	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.10				
	72	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12301 - AMMONIUM
METHOD = 92 - HI-VOL SODIUM PHENOLATE
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	≤ 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
49184000101A01	73	31	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.09				
SPOKANE																	
49204000101A01	71	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.16				
	72	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73*	21	LD	NO. OF SAMPLES (14) BELOW MIN. DET. EXCEEDS 50%									.11				
TACOMA																	
49214000101A01	71	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.09				
	72	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. EXCEEDS 50%									LD				
	73	31	LD	NO. OF SAMPLES (23) BELOW MIN. DET. EXCEEDS 50%									.08				
WEST VIRGINIA																	
CHARLESTON																	
50028000101A01	71	25	LD	LD	LD	.09	.10	.22	.50	.76	.78	6.91	12.72	1.551	3.50	.269	6.53
	72	29	LD	LD	LD	LD	.09	.16	.35	.49	.80	1.52	6.07				
	73	29	LD	LD	LD	.06	.11	.15	.40	.53	1.13	4.13	13.65	1.279	2.78	.242	6.70
	74	28	LD	LD	.07	.08	.30	.41	.61	.84	3.32	4.78	10.41	1.843	2.82	.459	6.61
HUNTINGTON																	
50070000201A01	72	24	LD	LD	LD	LD	LD	.05	.08	.22	.35	.75	1.80				
HUNTINGTON																	
50070000501A01	73*	23	LD	LD	LD	.11	.13	.18	.20	.35	.46	1.12	1.85	.385	.49	.179	3.83
SOUTH CHARLEST																	
50176000101A01	71	26	LD	LD	LD	LD	.09	.14	.14	.44	.95	1.67	5.09				
	72	30	LD	LD	LD	LD	.08	.12	.37	.62	.98	1.41	3.97				
	73	28	LD	LD	.12	.19	.20	.26	.38	.68	1.20	4.01	15.50	1.748	3.64	.357	6.34
	74	26	LD	.07	.13	.21	.35	.49	.73	1.95	2.92	5.42	11.20	2.072	3.15	.612	5.78
WISCONSIN																	
EAU CLAIRE																	
51084000201A01	71	23	LD	.05	.05	.06	.08	.09	.10	.11	.12	.13	.30	.100	.06	.086	1.74
	72	30	LD	.05	.06	.06	.07	.08	.10	.13	.14	.23	.62	.125	.11	.096	2.02
	73*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. EXCEEDS 50%									.28				
KENOSHA																	
51154000101A01	71	24	LD	.05	.05	.06	.06	.08	.09	.14	.16	.57	1.13	.198	.27	.111	2.68
	72	27	LD	LD	.06	.08	.09	.11	.14	.19	.28	.39	.67	.174	.15	.121	2.49
	73*	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.47				
MADISON																	
51184000101A01	71	26	LD	LD	LD	.07	.08	.09	.14	.17	.35	.74	1.90	.299	.45	.125	3.72
	72	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.42				
	73*	27	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.46				
	74	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									1.71				
MILWAUKEE																	
51220000101A01	71	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.70				
	72	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. EXCEEDS 50%									.39				
	73*	27	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.74				
RACINE																	
51288000101A01	71*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									3.44				
	72	27	LD	LD	LD	.05	.08	.09	.10	.13	.15	.17	.86	.134	.17	.086	2.49
	73*	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. EXCEEDS 50%									.22				
	74	24	LD	LD	LD	LD	.06	.07	.12	.43	.44	.62	4.10				
SUPERIOR																	
51348000101A01	71*	16	LD	NO. OF SAMPLES (11) BELOW MIN. DET. EXCEEDS 50%									.12				
	73*	15	LD	NO. OF SAMPLES (12) BELOW MIN. DET. EXCEEDS 50%									.19				
WYOMING																	
CASPER																	
56012000101A01	71	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. EXCEEDS 50%									.13				
	72	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									.05				
	73	30	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									.52				
CHEYENNE																	
56014000101A01	71	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.11				
	72	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. EXCEEDS 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12301 - AMMONIUM — INORGANICS — NH_4

METHOD - 92 - HT-VOL SODIUM PHENOLATE

UNITS - 01 - UG/CU METER (25 C)

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-77	> 0.6	+- 26
74	> 0.6	+- 17

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	71*	19	LD	LD	LD	LD	LD	.05	.05	.05	.05	.05	.10				
	73*	22	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									.13				
	74	26	LD	NO. OF SAMPLES (22) AFLOW MIN. DET. EXCEEDS 50%									.47				
MARICOPA CO																	
030490005A03	73	30	LD	NO. OF SAMPLES (20) AFLOW MIN. DET. EXCEEDS 50%									1.50				
ARKANSAS																	
MONTGOMERY CO																	
051760001A03	71*	21	LD	NO. OF SAMPLES (18) AFLOW MIN. DET. EXCEEDS 50%									.13				
	72	28	LD	LD	LD	LD	.06	.09	.09	.12	.15	.21	.71				
	73*	21	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									.75				
	74	29	LD	NO. OF SAMPLES (22) AFLOW MIN. DET. EXCEEDS 50%									1.27				
COLORADO																	
MESA VERDE NAT																	
061530002A03	72*	19	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	28	LD	NO. OF SAMPLES (25) AFLOW MIN. DET. EXCEEDS 50%									LD				
DELAWARE																	
KENT CO																	
080060001A03	71*	19	LD	NO. OF SAMPLES (10) AFLOW MIN. DET. EXCEEDS 50%									1.19				
FLORIDA																	
HARDEE CO																	
101680001A03	71	21	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									LD				
	72	27	LD	NO. OF SAMPLES (21) AFLOW MIN. DET. EXCEEDS 50%									LD				
	74*	19	LD	NO. OF SAMPLES (13) AFLOW MIN. DET. EXCEEDS 50%									.17				
HAWAII																	
HAWAII CO																	
120080001A03	74*	21	LD	NO. OF SAMPLES (21) AFLOW MIN. DET. EXCEEDS 50%									LD				
HAWAII CO																	
120080002A03	74*	17	LD	NO. OF SAMPLES (16) AFLOW MIN. DET. EXCEEDS 50%									LD				
HAWAII VOLCANO																	
120090001A03	72	27	LD	NO. OF SAMPLES (26) AFLOW MIN. DET. EXCEEDS 50%									LD				
	74*	21	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	72	28	LD	NO. OF SAMPLES (25) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	28	LD	NO. OF SAMPLES (28) AFLOW MIN. DET. EXCEEDS 50%									LD				
INDIANA																	
MONROE CO																	
152800001A03	71*	16	LD	LD	LD	LD	LD	.05	.07	.07	.11	.20	.88				
	72	27	LD	NO. OF SAMPLES (22) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73*	19	LD	NO. OF SAMPLES (15) AFLOW MIN. DET. EXCEEDS 50%									.88				
PARKE CO																	
153260001A03	71	28	LD	LD	LD	.06	.06	.07	.10	.18	.25	.44	1.62	.201	.32	.102	3.02
	72	28	LD	NO. OF SAMPLES (16) AFLOW MIN. DET. EXCEEDS 50%									6.12				
	73*	22	LD	LD	LD	LD	LD	.06	.15	.27	.39	1.28	7.81				
LOUISIANA																	
IBERVILLE PAR																	
191280001A03	74	23	LD	NO. OF SAMPLES (18) AFLOW MIN. DET. EXCEEDS 50%									7.44				
MAINE																	
ACADIA NAT PAR																	
200010001A03	71*	15	LD	NO. OF SAMPLES (15) AFLOW MIN. DET. EXCEEDS 50%									LD				
	72	28	LD	NO. OF SAMPLES (28) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73*	25	LD	NO. OF SAMPLES (23) AFLOW MIN. DET. EXCEEDS 50%									.97				
	74*	21	LD	NO. OF SAMPLES (20) AFLOW MIN. DET. EXCEEDS 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	72*	19	LD	LD	LD	LD	LD	.06	.12	.21	.68	1.15	3.78				
	73*	17	LD	NO. OF SAMPLES (9) AFLOW MIN. DET. EXCEEDS 50%									3.39				
	74*	19	LD	LD	.05	.06	.13	.20	.42	.76	1.29	2.12	5.39	.857	1.32	.277	5.44
MISSISSIPPI																	
JACKSON CO																	
251280001A03	72	28	LD	NO. OF SAMPLES (16) AFLOW MIN. DET. EXCEEDS 50%									1.57				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12301 - AMMONIUM
METHOD - 92 - HI-VOL SODIUM PHENOLATE
UNITS - 01 - UG/CU METER (25 C)

INORGANICS

NH_4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSISSIPPI																	
JACKSON CO																	
251280001A01	73*	21	LD	NO. OF SAMPLES (17) AFLOW MIN. DET. EXCEEDS 50%									.35				
	74	29	LD	NO. OF SAMPLES (16) AFLOW MIN. DET. EXCEEDS 50%									3.24				
MISSOURI																	
SHANNON CO																	
264480002A01	71*	19	LD	NO. OF SAMPLES (12) AFLOW MIN. DET. EXCEEDS 50%									.94				
	72*	27	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									1.67				
	73	28	LD	NO. OF SAMPLES (22) AFLOW MIN. DET. EXCEEDS 50%									7.80				
	74*	29	LD	LD	LD	LD	.05	.06	.09	.11	.27	.29	.87				
MONTANA																	
GLACIER NAT PA																	
270570001A01	72	29	LD	NO. OF SAMPLES (29) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	28	LD	NO. OF SAMPLES (26) AFLOW MIN. DET. EXCEEDS 50%									LD				
NEBRASKA																	
THOMAS CO																	
282480001A01	72*	22	LD	NO. OF SAMPLES (22) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	26	LD	NO. OF SAMPLES (26) AFLOW MIN. DET. EXCEEDS 50%									LD				
	74*	22	LD	NO. OF SAMPLES (21) AFLOW MIN. DET. EXCEEDS 50%									LD				
NEVADA																	
WHITE PINE CO																	
290560001A01	72	30	LD	NO. OF SAMPLES (30) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	31	LD	NO. OF SAMPLES (31) AFLOW MIN. DET. EXCEEDS 50%									LD				
	74	26	LD	NO. OF SAMPLES (16) AFLOW MIN. DET. EXCEEDS 50%									.39				
NEW HAMPSHIRE																	
COOS CO																	
300140001A01	72	27	LD	NO. OF SAMPLES (23) AFLOW MIN. DET. EXCEEDS 50%									.78				
	73*	22	LD	NO. OF SAMPLES (14) AFLOW MIN. DET. EXCEEDS 50%									2.17				
	74*	21	LD	NO. OF SAMPLES (14) AFLOW MIN. DET. EXCEEDS 50%									2.40				
NEW MEXICO																	
RIO ARRIBA CO																	
320920001A01	72	29	LD	NO. OF SAMPLES (29) AFLOW MIN. DET. EXCEEDS 50%									LD				
NEW YORK																	
JEFFERSON CO																	
333340001A01	71*	21	LD	LD	LD	LD	LD	.08	.10	.15	.29	.39	1.20				
	72*	25	LD	NO. OF SAMPLES (13) AFLOW MIN. DET. EXCEEDS 50%									3.19				
	74*	20	LD	LD	LD	LD	LD	.11	.17	.15	.32	.37	1.80				
OKLAHOMA																	
CHEROKEE CO																	
370480001A01	71*	21	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									.99				
	72	27	LD	NO. OF SAMPLES (25) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73	29	LD	NO. OF SAMPLES (26) AFLOW MIN. DET. EXCEEDS 50%									LD				
	74*	26	LD	NO. OF SAMPLES (18) AFLOW MIN. DET. EXCEEDS 50%									1.39				
OREGON																	
CURRY CO																	
380940001A01	71*	16	LD	NO. OF SAMPLES (15) AFLOW MIN. DET. EXCEEDS 50%									LD				
	72	23	LD	NO. OF SAMPLES (23) AFLOW MIN. DET. EXCEEDS 50%									LD				
	73*	20	LD	NO. OF SAMPLES (20) AFLOW MIN. DET. EXCEEDS 50%									LD				
PENNSYLVANIA																	
CLARION CO																	
391760001A01	71	25	LD	NO. OF SAMPLES (19) AFLOW MIN. DET. EXCEEDS 50%									1.39				
	72	28	LD	LD	LD	LD	LD	LD	.07	.11	.17	.85	1.93				
	73	30	LD	LD	LD	.07	.12	.12	.23	.24	1.05	2.45	5.54	.803	1.32	.284	5.69
	74*	29	LD	LD	LD	LD	LD	.06	.11	.19	.79	2.25	8.07				
INDIANA CO																	
394240002A01	72*	18	LD	NO. OF SAMPLES (15) AFLOW MIN. DET. EXCEEDS 50%									1.39				
RHODE ISLAND																	
WASHINGTON CO																	
410380002A01	71	26	LD	LD	LD	.05	.06	.06	.11	.12	.18	.29	.79				
	72	28	LD	NO. OF SAMPLES (17) AFLOW MIN. DET. EXCEEDS 50%									1.91				
	73*	19	LD	NO. OF SAMPLES (11) AFLOW MIN. DET. EXCEEDS 50%									2.23				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 1??CI - AMMONIUM
METHOD - 9? - HI-VOL SODIUM PHENOLATE
UNITS - 01 - UG/CU METER (25 C)

INORGANICS

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 0.05	+- 112
71-74	0.05-0.6	+- 47
71-73	> 0.6	+- 26
74	> 0.6	+- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A0?	71	27	LD	LD	LD	LD	LD	.05	.05	.06	.07	.08	.11				
	72	27	LD	NO. OF SAMPLES (	28) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	31	LD	NO. OF SAMPLES (	29) BELOW MIN. DET. EXCEEDS 50%								.81				
*	74*	26	LD	NO. OF SAMPLES (	15) BELOW MIN. DET. EXCEEDS 50%								.57				
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A0?	71	29	LD	NO. OF SAMPLES (	22) BELOW MIN. DET. EXCEEDS 50%								LD				
*	72	29	LD	NO. OF SAMPLES (	29) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	27	LD	NO. OF SAMPLES (	27) BELOW MIN. DET. EXCEEDS 50%								LD				
TEXAS																	
MATAGORDA CO																	
453530001A0?	71	27	LD	NO. OF SAMPLES (	21) BELOW MIN. DET. EXCEEDS 50%								LD				
	72	28	LD	NO. OF SAMPLES (	27) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	28	LD	NO. OF SAMPLES (	26) BELOW MIN. DET. EXCEEDS 50%								LD				
	74	30	LD	NO. OF SAMPLES (	29) BELOW MIN. DET. EXCEEDS 50%								1.90				
TOM GREEN CO																	
455200001A0?	71	25	LD	NO. OF SAMPLES (	22) BELOW MIN. DET. EXCEEDS 50%								.05				
	72	28	LD	NO. OF SAMPLES (	28) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	25	LD	NO. OF SAMPLES (	23) BELOW MIN. DET. EXCEEDS 50%								LD				
	74*	24	LD	NO. OF SAMPLES (	23) BELOW MIN. DET. EXCEEDS 50%								LD				
VERMONT																	
ORANGE CO																	
470360001A0?	71*	23	LD	NO. OF SAMPLES (	12) BELOW MIN. DET. EXCEEDS 50%								1.67				
	72	28	LD	NO. OF SAMPLES (	22) BELOW MIN. DET. EXCEEDS 50%								.99				
	73	25	LD	NO. OF SAMPLES (	16) BELOW MIN. DET. EXCEEDS 50%								3.62				
	74	24	LD	LD	LD	LD	.05	.05	.07	.06	.09	.20	1.77				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A0?	71	27	LD	NO. OF SAMPLES (	17) BELOW MIN. DET. EXCEEDS 50%								3.01				
	72	27	LD	NO. OF SAMPLES (	16) BELOW MIN. DET. EXCEEDS 50%								.??				
	73	28	LD	LD	LD	.06	.06	.07	.09	.11	.19	.21	1.??	.179	.34	.085	2.89
	74*	16	LD	NO. OF SAMPLES (	10) BELOW MIN. DET. EXCEEDS 50%								.??				
WYTHE CO																	
483440001A0?	71	29	LD	NO. OF SAMPLES (	15) BELOW MIN. DET. EXCEEDS 50%								.37				
	72*	21	LD	NO. OF SAMPLES (	13) BELOW MIN. DET. EXCEEDS 50%								.29				
	73	27	LD	LD	LD	LD	LD	.05	.??	.09	.11	.23	?.17				
	74*	16	LD	NO. OF SAMPLES (	9) BELOW MIN. DET. EXCEEDS 50%								.57				
WASHINGTON																	
KING CO																	
490980002A0?	72	30	LD	NO. OF SAMPLES (	30) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	27	LD	NO. OF SAMPLES (	20) BELOW MIN. DET. EXCEEDS 50%								.17				
WISCONSIN																	
DOOR CO																	
510780001A0?	72	25	LD	NO. OF SAMPLES (	21) BELOW MIN. DET. EXCEEDS 50%								1.46				
*	73*	21	LD	NO. OF SAMPLES (	16) BELOW MIN. DET. EXCEEDS 50%								2.44				
WYOMING																	
GRAND TETON NA																	
520910001A0?	72	29	LD	NO. OF SAMPLES (	29) BELOW MIN. DET. EXCEEDS 50%								LD				
*	73	30	LD	NO. OF SAMPLES (	30) BELOW MIN. DET. EXCEEDS 50%								LD				
YELLOWSTONE NA																	
520860001A0?	71*	17	LD	NO. OF SAMPLES (	17) BELOW MIN. DET. EXCEEDS 50%								LD				
	72*	21	LD	NO. OF SAMPLES (	21) BELOW MIN. DET. EXCEEDS 50%								LD				
	73	23	LD	NO. OF SAMPLES (	23) BELOW MIN. DET. EXCEEDS 50%								LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73 / 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, %
6.7 -- 16
6.7 -- 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
01038000 3A01	72	29	.85	1.41	1.66	2.30	2.69	2.82	3.03	3.37	3.55	4.17	6.58	2.913	1.26	2.653	1.57
	73	28	1.49	2.23	2.66	2.82	3.02	3.17	3.41	3.87	4.50	5.90	8.12	3.676	1.98	3.423	1.46
	74	27	.89	1.09	2.09	2.15	2.69	2.73	2.88	3.52	5.17	5.95	26.91	4.070	4.66	3.061	1.99
GADSDEN																	
01148000 1A01	72	30	.71	1.00	2.03	2.17	2.49	2.56	2.72	2.81	2.96	3.11	4.22	2.475	.77	2.319	1.49
	73	31	.56	1.33	2.19	2.32	2.82	2.97	3.15	3.46	3.69	4.06	5.88	2.951	1.16	2.669	1.67
	74	29	.69	1.16	1.61	1.72	1.82	2.16	2.34	2.55	2.71	3.63	4.49	2.293	.93	2.109	1.53
HUNTSVILLE																	
01186000 1A01	72	28	.08	.75	1.27	1.42	1.56	1.80	1.96	2.18	2.33	2.37	3.83	1.852	.85	1.570	2.08
	73*	25	.36	.93	1.34	1.59	1.79	1.94	2.00	2.41	2.93	3.45	4.02	2.088	.94	1.854	1.71
	74*	21	.57	.60	.89	.94	1.23	1.78	2.05	2.40	2.47	2.71	5.37	1.869	1.10	1.599	1.78
MOBILE																	
01238000 1A01	72	22	.71	1.09	1.20	1.27	1.36	1.70	1.89	2.00	2.37	2.94	3.39	1.805	.70	1.677	1.48
	73*	22	.95	.99	1.46	1.72	1.88	1.96	2.18	2.36	2.67	3.48	4.95	2.232	.99	2.044	1.53
	74*	23	.90	.92	1.41	1.64	1.71	1.82	2.27	2.55	2.88	3.08	3.95	2.090	.81	1.939	1.61
MONTGOMERY																	
01296000 1A01	72	30	.18	.33	.87	1.08	1.31	1.45	1.65	1.90	2.22	2.30	2.70	1.498	.70	1.265	1.99
	73*	27	.31	.64	.71	1.22	1.47	1.78	1.98	2.10	2.43	3.11	3.52	1.774	.89	1.527	1.83
	74	28	LD	.60	.97	1.02	1.19	1.35	2.05	2.35	2.64	3.15	4.31	1.819	1.12	1.339	2.06
ALASKA																	
ANCHORAGE																	
02004 0003A01	72	28	LD	.03	.12	.29	.39	.39	.47	.49	.66	.61	1.56	.416	.32	.291	2.72
	73	23	LD	LD	LD	.26	.27	.32	.36	.58	.66	1.30	2.79	.550	.63	.267	4.21
	74*	16	.18	.22	.27	.32	.40	.71	.80	.83	1.28	1.40	1.71	.761	.50	.590	2.23
FAIRBANKS																	
02014 0001A01	72	29	LD	LD	LD	.05	.07	.09	.12	.37	.72	1.02	1.89	.379	.48	.147	4.45
	73*	19	LD	.09	.22	.30	.32	.48	.48	.58	.77	.78	1.12	.479	.28	.363	2.45
ARIZONA																	
DOUGLAS																	
03024 0001A01	72	25	.19	.28	.33	.54	.65	.79	.90	1.15	1.20	1.36	1.63	.832	.41	.715	1.82
	73*	16	.19	.38	.48	.58	.67	.79	1.01	1.12	1.15	1.19	2.18	.892	.47	.773	1.79
	74*	23	.37	.43	.67	.88	.92	1.05	1.29	1.36	1.37	1.90	2.31	1.125	.52	1.009	1.63
MARICOPA CO																	
03094 0001A01	72	29	.36	.96	1.69	2.60	3.23	3.59	3.66	4.43	4.94	5.39	9.08	3.597	2.07	2.846	2.25
PHOENIX																	
03040 0002A01	71	24	.28	.78	1.99	2.30	2.49	2.96	3.17	3.88	4.03	6.35	10.19	3.490	2.28	2.787	2.13
	72	27	.28	1.02	1.91	2.67	3.06	3.88	4.20	4.63	5.51	6.67	9.08	3.730	1.95	3.063	2.12
	73	27	.79	2.15	2.54	3.10	3.72	4.08	4.57	4.83	5.35	6.28	12.01	4.559	2.65	3.926	1.77
	74	25	1.84	2.18	2.55	2.82	3.01	3.61	3.73	5.41	6.42	8.33	14.06	4.563	2.82	3.958	1.67
TUCSON																	
03086 0001A01	72	26	.25	.82	1.76	2.02	2.39	2.49	2.81	2.91	3.17	3.41	7.49	2.560	1.36	2.163	1.97
	73	28	.57	.64	.86	1.29	1.72	2.36	2.54	2.65	3.12	3.34	4.03	2.132	1.02	1.837	1.82
	74	28	1.01	1.23	1.37	1.83	1.96	2.30	2.54	3.03	3.19	3.41	5.61	2.462	1.06	2.259	1.53
ARKANSAS																	
LITTLE ROCK																	
04144 0001A01	71*	24	LD	LD	.19	.20	.23	.24	.28	.34	2.01	2.80	4.06	.860	1.17	.360	3.98
	72*	23	.10	.37	1.08	1.25	1.36	1.87	2.22	2.50	2.84	3.81	4.87	2.059	1.19	1.623	2.33
	74	27	.20	.58	.74	1.28	1.94	2.23	2.57	2.83	4.04	4.19	7.44	2.557	1.82	1.861	2.51
WEST MEMPHIS																	
04274 0001A01	72*	24	LD	LD	.07	.08	.09	.21	1.96	2.52	3.03	3.32	14.00	1.838	3.23	.913	7.30
	73*	25	.14	.26	.29	.90	1.03	1.98	2.32	2.95	3.29	4.18	6.15	2.055	1.61	1.301	3.11
	74	24	1.40	1.52	2.52	2.73	3.07	3.54	3.60	4.23	5.13	6.55	11.77	4.088	2.36	3.577	1.68
CALIFORNIA																	
ANAHEIM																	
05023 0001A01	72	28	1.30	2.40	4.10	4.60	5.20	5.80	7.20	8.30	8.50	11.80	12.60	6.546	3.05	5.782	1.72
	73*	25	1.30	2.00	2.93	4.20	5.70	7.47	8.37	9.87	10.60	14.30	15.66	7.498	4.41	6.065	2.05
	74	30	1.82	3.02	4.19	5.27	6.07	7.78	8.41	11.58	12.23	13.26	25.20	9.020	5.62	7.634	1.86
BERKELEY																	
05079 0001A01	72	27	1.07	1.44	1.76	2.69	3.19	3.44	3.63	4.34	4.46	7.84	11.50	4.488	3.09	3.653	1.92
	73	27	.15	.87	1.01	1.43	2.18	2.62	4.19	4.75	5.64	7.64	9.32	3.596	2.72	2.986	2.81
	74	26	.23	.81	1.24	2.19	2.38	3.05	3.55	4.61	5.15	5.36	9.82	3.405	2.16	2.619	2.36
BURBANK																	
05090 0002A01	71	25	.60	1.30	2.80	3.40	4.08	5.27	6.70	9.10	10.28	11.50	24.17	6.839	5.49	4.977	2.92
	72	29	2.30	3.00	3.60	5.00	6.10	7.80	8.20	8.90	10.60	12.30	14.00	7.862	3.69	6.674	1.69
	73	31	.69	2.50	3.90	5.10	6.90	7.50	8.60	10.76	11.60	14.18	26.19	8.635	5.61	6.892	2.11
	74	29	1.82	2.99	5.19	5.98	7.61	8.20	8.60	10.34	10.96	12.27	20.19	8.532	4.19	7.948	1.77

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 02 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73 74

CONCENTRATION RANGE

CONFIDENCE LIMITS: %
6.7 ** 16
6.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
FRESNO																	
0528000021A01	72	28	1.53	3.78	4.90	5.30	5.90	6.82	7.97	8.28	8.83	10.18	19.56	7.170	2.93	6.537	1.59
	73	28	2.29	4.24	5.50	6.40	7.65	8.90	10.25	11.14	11.83	13.83	17.50	8.932	3.66	8.087	1.62
	74	29	LD	3.46	5.30	5.66	7.45	8.16	8.34	8.62	10.08	12.41	23.91	8.263	4.69	6.932	3.55
GLENDALE																	
0529400011A01	72	28	.60	3.28	4.18	4.80	7.10	9.00	9.80	11.20	11.80	13.30	15.40	8.446	4.08	7.099	2.02
	73	30	2.67	3.50	3.90	6.50	7.45	8.31	10.00	10.90	12.20	14.50	23.75	9.187	4.88	7.744	1.76
LONG BEACH																	
0541000011A01	72	28	.40	.60	2.30	3.80	4.30	5.10	5.90	6.50	7.20	8.80	11.20	5.243	2.96	4.052	2.41
	73*	25	.93	2.29	3.01	3.90	4.60	5.60	7.60	10.80	11.63	14.69	16.05	7.480	4.72	5.941	2.09
	74	26	2.32	3.48	3.89	4.35	5.27	6.74	9.17	11.20	12.65	12.89	30.21	8.634	5.93	7.104	1.88
LOS ANGELES																	
0541800011A01	71	24	1.80	4.12	5.40	6.44	8.72	9.54	10.43	12.03	14.97	17.74	24.30	10.689	5.43	9.272	1.79
	72	32	3.00	4.10	7.70	8.60	10.00	10.70	12.30	13.90	17.60	18.40	21.20	12.053	4.71	11.101	1.53
	73*	25	3.90	5.00	6.90	9.18	9.50	12.63	13.60	16.86	19.50	23.80	37.36	13.766	7.73	11.844	1.77
	74	26	1.19	5.00	7.46	9.59	9.86	11.92	13.97	16.71	20.67	21.90	53.80	14.423	10.21	11.571	2.07
OAKLAND																	
0553000011A01	72	29	.94	1.08	1.90	2.05	2.33	2.69	3.09	3.33	3.92	6.87	9.39	3.312	2.13	2.786	1.80
	73*	24	.49	.58	1.92	2.33	3.19	3.65	5.03	6.68	7.12	9.48	11.97	4.869	3.43	3.572	2.43
	74	27	.53	.96	1.03	1.76	2.16	3.67	3.95	4.12	4.43	6.02	14.98	3.686	3.09	2.750	2.23
ONTARIO																	
0553800011A01	72	28	2.20	5.00	5.60	6.20	6.90	8.40	9.20	11.20	11.60	12.50	14.70	8.711	3.19	8.060	1.53
	73*	21	3.39	3.40	3.99	5.01	6.10	6.90	7.20	8.70	11.50	12.60	16.60	7.890	3.92	7.054	1.62
PASADENA																	
0557600011A01	72*	23	2.00	2.10	4.40	5.50	6.10	6.70	7.20	7.90	8.50	10.80	14.10	6.779	3.03	6.030	1.69
	73*	26	2.68	3.72	4.00	5.64	6.20	7.50	9.56	11.61	13.28	15.27	34.51	9.519	6.64	7.886	1.84
PASADENA																	
0557600021A01	74	29	4.77	7.28	8.72	9.05	9.89	11.42	11.68	16.23	17.94	21.85	48.86	13.990	8.58	12.275	1.64
RIVERSIDE																	
0564000011A01	72*	18	3.50	4.60	7.60	8.80	10.20	11.60	13.10	13.60	14.10	16.10	19.85	11.492	4.41	10.502	1.60
SACRAMENTO																	
0568800011A01	71	24	.51	.74	1.78	2.23	3.15	3.93	3.99	4.93	5.29	6.48	9.83	3.868	2.23	3.125	2.11
	72	28	1.98	2.91	3.00	3.50	4.05	4.60	4.91	5.47	5.86	6.75	10.87	5.036	2.28	4.619	1.51
	73	30	.62	1.70	1.93	3.07	4.07	5.05	5.59	6.65	7.07	9.35	13.11	5.238	3.06	4.282	2.02
	74	28	.21	1.94	4.64	5.46	5.93	6.67	7.77	9.93	10.87	15.48	26.79	8.340	5.74	6.124	2.67
SAN BERNARDINO																	
0564800011A01	72	30	1.90	2.20	7.30	10.38	11.90	13.60	14.90	16.90	18.20	19.50	21.50	12.883	5.89	10.805	2.03
	73*	22	1.50	2.50	4.68	8.30	9.50	12.50	13.70	15.14	16.30	19.80	26.00	12.249	4.30	10.188	2.03
	74	29	1.47	7.63	10.21	11.86	14.26	16.18	15.68	19.92	20.81	32.85	54.89	18.262	11.30	15.098	2.00
SAN DIEGO																	
0568000011A01	72	29	.50	.70	1.22	2.60	3.00	4.40	5.20	6.00	6.70	9.20	14.40	4.911	3.70	3.612	2.50
	73	28	1.10	2.20	3.80	4.20	4.90	6.42	8.07	10.10	10.37	12.80	18.50	7.446	4.49	6.061	2.02
	74	28	1.68	3.91	4.86	5.33	6.62	6.72	7.10	7.67	9.41	10.43	22.46	7.324	3.98	6.498	1.65
SAN FRANCISCO																	
0568400011A01	72	30	.42	.65	.88	1.20	1.49	1.69	2.33	3.08	3.82	6.54	9.70	2.752	2.36	1.996	2.24
	73	30	.39	.51	.73	1.12	1.29	1.37	3.63	5.66	6.39	7.85	11.90	3.515	3.37	2.127	2.89
	74	29	.61	.84	1.41	1.79	2.33	2.80	3.28	3.48	5.09	6.67	9.50	3.510	2.53	2.696	2.15
SAN JOSE																	
0569800031A01	72*	25	.62	3.09	3.22	3.87	4.25	6.56	7.06	7.73	8.12	10.82	14.20	6.184	3.08	5.291	1.90
	73*	21	.94	1.12	1.74	3.09	3.66	5.07	6.95	7.09	7.26	9.55	10.26	5.236	2.95	4.230	2.10
SAN JOSE																	
0569800091A01	74	26	.27	.96	2.48	4.07	4.27	5.74	6.36	7.42	8.09	9.55	13.10	5.877	3.28	4.507	2.60
SANTA ANA																	
0571800011A01	72	29	1.00	1.80	3.50	4.80	5.60	6.50	7.60	9.20	11.10	12.80	19.90	7.517	4.52	6.076	2.06
	73	25	1.30	3.22	4.10	4.60	6.47	7.32	7.90	9.66	11.76	12.35	14.61	7.493	3.66	6.505	1.79
	74	29	2.95	4.46	5.97	6.92	7.72	8.65	9.82	9.94	10.85	13.20	33.91	9.936	6.23	8.649	1.67
TORRANCE																	
0582600011A01	72	30	.40	.78	2.40	3.20	3.70	4.60	5.60	6.90	7.80	8.00	12.50	5.113	3.01	3.995	2.30
	73	25	.32	1.10	1.56	3.90	5.10	6.63	6.20	10.40	11.90	19.52	21.88	7.716	6.56	4.910	3.03
	74	28	2.09	2.32	2.76	4.17	6.03	7.60	8.50	10.96	11.07	15.06	18.05	8.048	4.79	6.585	1.97
COLORADO																	
DENVER																	
0605800011A01	71*	17	.37	.91	1.54	1.79	1.96	2.72	2.91	3.12	3.91	3.64	14.82	3.101	3.19	2.252	2.31
	72*	24	1.00	1.91	2.13	2.35	2.71	3.03	3.32	3.94	4.47	4.58	12.50	3.545	2.16	3.129	1.63
	73*	18	2.24	2.74	3.34	3.56	4.46	5.37	7.27	8.84	9.35	11.94	21.77	7.368	4.98	6.112	1.88
CONNECTICUT																	
BRIDGEPORT																	
0700400011A01	72	30	.23	.68	.81	1.04	1.20	1.43	1.66	1.96	2.81	3.89	8.33	1.856	1.26	1.475	2.06
	73	28	.19	.26	.40	.81	1.02	1.27	1.83	2.26	2.40	3.00	4.99	1.677	1.28	1.187	2.53

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73, 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %
4.7 ** 16
4.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	74*	24	.05	.17	.45	.65	.92	1.05	1.29	1.79	3.02	3.13	3.69	1.517	1.10	1.073	2.71
HARTFORD																	
070420001A01	71	23	.21	.37	.61	.87	1.00	1.35	1.52	1.92	2.36	2.92	7.20	1.692	1.96	1.263	2.22
	72	29	.40	.65	.70	1.03	1.25	1.47	1.79	2.10	2.38	3.82	4.12	1.715	.98	1.498	1.84
	73	28	.51	1.12	1.30	1.51	1.75	2.32	2.72	3.08	3.28	3.85	7.23	2.588	1.61	2.169	1.87
	74	29	.28	1.48	1.87	1.98	2.16	2.76	2.97	3.43	4.33	4.48	8.30	2.995	1.69	2.575	1.85
NEW HAVEN																	
070700001A01	72	29	.17	.76	1.11	1.39	1.58	1.73	1.81	2.26	2.92	3.84	5.17	2.022	1.19	1.667	2.03
	73	31	.19	.30	.34	.87	1.50	1.77	2.21	2.99	3.09	4.90	5.53	2.106	1.61	1.931	2.74
	74	30	.06	.27	.58	.69	1.15	1.20	2.16	2.72	3.16	3.87	6.16	1.990	1.69	1.303	2.99
WATERBURY																	
071290001A01	72	26	.49	1.02	1.23	1.51	1.91	2.03	2.58	2.98	3.32	3.89	3.97	2.300	1.01	2.092	1.71
	73	29	.49	.87	1.34	1.83	2.21	2.47	2.60	3.89	4.91	6.03	7.33	3.096	1.99	2.997	2.02
	74	24	.06	.12	.43	.58	1.27	1.91	2.24	2.89	3.93	4.51	7.77	2.960	2.26	1.348	3.82
DELAWARE																	
NEWARK																	
080190001A01	72*	25	.33	.60	.63	1.54	1.78	2.12	2.33	2.98	2.65	3.59	5.73	2.089	1.26	1.666	2.11
	73	27	.49	1.09	1.63	1.85	2.36	2.65	2.91	3.90	3.92	4.26	6.09	2.797	1.90	2.508	1.84
	74*	19	.32	.37	1.54	2.01	2.26	2.78	2.93	3.06	3.26	3.28	3.91	2.353	1.05	1.935	2.18
WILMINGTON																	
080240003A01	72	27	.68	1.01	1.02	1.19	2.00	2.66	2.76	3.05	3.51	4.05	5.13	2.946	1.25	2.095	1.82
	73*	17	1.09	1.30	1.64	2.59	2.71	3.06	4.08	4.27	5.35	6.75	8.30	3.806	2.12	3.265	1.80
	74	26	.65	.73	1.50	1.74	2.03	2.82	2.70	2.98	3.75	4.19	4.63	2.613	1.16	2.308	1.74
DISTRICT OF CO																	
WASHINGTON																	
090020001A01	72*	22	.63	1.16	1.21	1.97	2.25	2.57	2.79	3.24	4.69	4.78	5.66	2.881	1.90	2.520	1.75
	73*	20	1.26	1.30	1.50	1.90	2.31	2.76	3.39	3.85	4.84	4.93	5.38	3.104	1.91	2.785	1.63
FLORIDA																	
JACKSONVILLE																	
101940002A01	72	27	LD	.18	.38	1.16	1.80	2.05	2.35	2.81	2.94	3.84	4.10	1.914	1.19	1.282	3.41
	73	28	.68	.84	1.01	1.41	1.82	1.82	1.96	2.13	2.39	3.20	3.48	1.858	.81	1.682	1.69
MIAMI																	
102700002A01	71	24	.37	.60	.85	1.11	1.59	1.72	1.77	2.96	2.52	3.42	3.67	1.889	.98	1.607	1.86
	72	28	.38	.50	.72	.84	.96	1.07	1.32	1.86	1.91	2.69	3.77	1.957	.91	1.216	1.85
	73*	29	.68	.71	1.27	1.61	1.72	2.05	2.10	2.99	2.75	3.87	4.42	2.195	1.05	1.891	1.70
	74	26	.50	.60	.70	.93	1.09	1.33	1.91	2.93	2.99	3.30	5.56	1.868	1.91	1.981	2.09
ST PETERSBURG																	
103980002A01	72	27	.76	.79	1.18	1.98	1.69	1.95	2.08	2.34	2.88	2.79	5.49	2.049	1.02	1.832	1.62
	73*	21	.99	1.07	1.35	1.50	1.52	1.59	1.76	1.86	2.42	3.21	5.89	2.012	1.09	1.826	1.52
	74*	15	.39	.52	.94	1.16	1.29	1.91	1.61	2.18	2.78	3.70	4.23	1.876	1.18	1.634	1.98
TAMPA																	
109360002A01	72	27	1.29	1.45	1.58	1.66	1.86	2.21	2.61	2.92	3.38	3.56	4.13	2.919	.88	2.268	1.99
GEORGIA																	
ATLANTA																	
110200001A01	72	30	.97	1.21	1.67	2.01	2.29	2.56	2.72	2.95	3.27	4.23	5.73	2.670	1.18	2.439	1.56
	73	28	1.16	1.29	1.77	1.93	2.22	2.73	2.89	2.90	3.07	3.71	5.22	2.609	.98	2.432	1.47
	74	30	.50	1.06	1.34	1.77	2.00	2.36	2.51	2.82	3.22	3.63	4.27	2.369	.96	2.129	1.63
COLUMBUS																	
111280001A01	72	32	.09	.44	.52	.82	1.09	1.12	1.30	1.44	2.13	2.95	3.70	1.379	.86	1.088	2.35
	73	38	LD	.55	1.00	1.21	1.49	1.61	1.68	1.91	2.11	2.30	3.03	1.583	.68	1.328	2.25
	74*	24	LD	.22	.90	1.08	1.31	1.35	1.90	1.72	1.99	2.06	2.31	1.375	.62	1.071	2.72
SAVANNAH																	
114500001A01	72*	24	.38	.82	1.14	1.29	1.71	1.84	1.91	2.35	2.86	3.82	4.58	2.029	1.03	1.768	1.75
	73*	18	.96	.99	1.35	1.39	1.79	1.89	1.93	1.96	2.08	3.66	5.09	2.122	1.10	1.907	1.68
HAWAII																	
HONOLULU																	
120120001A01	72	29	.07	.14	.18	.22	.25	.38	.91	.97	.89	1.20	1.17	.902	.29	.333	1.91
	73	30	.09	.17	.26	.27	.30	.39	.37	.92	.95	.87	1.46	.923	.29	.389	1.79
	74	29	.05	.14	.29	.32	.39	.91	.99	.84	.77	1.03	2.36	.889	.52	.990	2.19
IDAHO																	
BOISE CITY																	
130220001A01	71*	16	.70	.71	.79	1.18	1.31	1.58	1.77	1.85	2.10	2.16	2.76	1.563	.59	1.980	1.81
	72	29	LD	.26	.91	.97	.69	.76	1.07	1.61	1.99	3.55	5.63	1.915	1.36	.868	3.11
	73	28	.07	.99	.79	.99	.98	1.29	1.99	1.92	2.21	2.99	5.68	1.688	1.29	1.235	2.90

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73, 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, %
6.7 -- 16
6.7 -- 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
CHICAGO																	
141220001A01	71	25	.90	1.20	2.23	2.58	2.75	3.10	3.57	5.07	5.78	9.28	15.29	4.937	3.38	3.993	2.02
	72	27	.79	1.71	1.91	2.29	2.68	3.90	4.14	4.61	5.17	6.19	21.12	4.389	3.80	3.999	1.90
	73*	29	1.50	1.99	2.71	2.78	3.85	4.95	5.92	5.67	6.28	7.29	8.21	4.477	2.00	4.216	1.62
EAST ST LOUIS																	
142120009A01	72	29	1.95	1.79	1.88	2.21	2.67	3.22	3.98	4.08	4.84	5.85	7.62	3.550	1.69	3.183	1.61
	73*	21	LD	1.19	1.83	2.00	2.16	2.78	2.92	3.86	4.15	5.83	9.91	3.282	2.10	2.990	3.20
JOLIET																	
143760001A01	71*	22	1.19	1.19	1.77	2.31	2.63	2.84	3.10	3.47	3.97	5.62	7.38	3.210	1.54	2.880	1.61
	72	26	.90	1.46	2.00	2.22	2.96	3.91	3.90	4.07	5.06	5.91	8.38	3.559	1.70	3.157	1.68
	73*	26	.97	1.03	2.65	3.01	3.11	3.93	4.13	4.18	4.90	4.53	6.75	3.479	1.33	3.148	1.65
MOLINE																	
145120001A01	72*	23	1.15	1.26	2.78	2.93	3.13	4.43	5.29	5.81	6.47	7.66	11.80	4.804	2.65	4.105	1.82
	73*	29	1.77	1.83	2.29	2.52	2.99	3.26	3.91	4.28	5.01	8.11	11.89	4.238	2.76	3.626	1.71
	74	25	.73	.98	1.83	2.10	2.99	3.26	4.01	4.43	5.83	6.75	9.29	3.766	2.26	3.082	1.99
NORTH CHICAGO																	
145620002A01	71	29	.18	.47	1.10	1.40	1.53	2.42	2.52	3.59	4.13	5.60	7.39	2.715	1.88	2.033	2.38
	72	30	.37	.89	1.36	1.96	2.26	3.45	3.89	4.19	4.79	5.25	7.39	3.232	1.83	2.625	2.07
	73*	25	.98	1.40	1.68	2.17	2.58	3.19	3.56	4.57	4.76	5.63	12.16	3.705	2.49	3.092	1.83
PEORIA																	
146060001A01	71	26	.19	.99	1.96	1.82	1.93	2.09	3.12	3.22	3.72	4.86	13.90	2.899	2.49	2.289	2.15
	72	28	.98	.77	1.39	1.69	1.97	2.11	2.69	2.99	3.31	4.09	9.01	2.670	1.82	2.172	1.96
	73*	23	1.17	1.18	1.97	1.93	2.35	2.88	3.95	3.83	4.23	5.16	8.35	3.229	1.78	2.806	1.72
ROCKFORD																	
146680001A01	72*	21	.88	1.21	1.35	1.52	1.63	2.37	3.12	4.06	5.05	5.68	9.91	3.226	2.28	2.687	1.93
ROCK ISLAND																	
146700001A01	71	24	.61	1.05	1.52	2.48	3.05	3.47	3.93	4.30	4.69	5.71	9.33	3.647	2.11	3.029	1.95
	72	27	1.05	1.47	1.84	2.08	2.57	3.19	3.90	4.38	5.02	5.96	7.33	3.584	1.81	3.133	1.73
	73*	19	.99	1.03	1.70	2.26	2.51	3.00	3.02	3.55	4.85	5.62	7.32	3.357	1.82	2.897	1.77
	74*	21	.99	1.50	2.05	2.26	2.51	3.33	4.30	4.57	4.67	6.54	7.23	3.681	1.76	3.266	1.68
SPRINGFIELD																	
147280001A01	71	24	.08	.99	1.36	1.98	2.20	2.70	3.93	4.26	4.52	5.39	6.89	3.220	1.89	2.909	2.71
	72	25	.18	.81	1.15	1.46	2.48	2.88	3.17	4.49	5.09	5.62	7.10	3.109	1.92	2.366	2.90
	73*	26	1.22	1.29	1.61	1.92	2.07	2.29	2.71	3.90	3.81	4.75	6.90	2.945	1.60	2.595	1.65
	74	27	.79	1.13	1.63	2.22	2.98	2.79	3.11	4.09	5.21	5.38	6.60	3.237	1.60	2.820	1.76
INDIANA																	
EAST CHICAGO																	
151180001A01	71	24	1.14	1.93	2.27	2.59	3.33	4.17	4.87	4.99	7.47	9.75	13.99	5.042	3.26	4.176	1.87
	72	29	.91	2.00	2.37	2.80	3.18	3.69	3.80	4.63	7.16	7.93	10.91	4.489	2.62	3.828	1.79
	73*	26	1.22	1.98	2.91	3.27	3.38	4.15	4.72	5.88	8.03	8.86	14.99	5.202	3.15	4.486	1.80
	74	28	1.36	1.75	2.91	2.51	2.81	3.33	3.99	4.49	4.60	5.87	8.08	3.773	1.69	3.439	1.56
EVANSVILLE																	
151300001A01	71	24	.12	1.09	1.41	1.84	1.96	2.33	2.39	3.37	3.71	4.09	5.65	2.525	1.25	2.119	2.10
	72	29	.20	.66	1.50	1.78	2.99	2.70	3.05	3.35	3.67	4.03	6.12	2.659	1.39	2.162	2.15
	73*	29	1.30	1.39	2.11	2.90	2.96	2.67	2.68	2.76	2.85	3.68	5.69	2.695	.89	2.869	1.37
	74*	29	1.32	1.98	1.69	1.85	2.90	2.63	2.70	3.15	3.39	4.13	6.90	2.815	1.20	2.600	1.99
FORT WAYNE																	
151380002A01	72	30	.56	1.97	1.93	2.75	3.22	3.69	4.19	4.92	4.66	6.95	7.23	3.728	1.71	3.269	1.77
	73*	26	.76	1.19	1.66	3.15	3.69	4.02	4.90	4.83	5.72	6.88	7.20	4.010	1.85	3.950	1.87
GARY																	
151520001A01	71*	19	.29	1.17	2.03	2.33	2.93	3.90	3.54	4.04	5.93	10.03	19.29	4.837	4.60	3.347	2.57
	72	27	1.52	1.82	2.48	3.14	3.26	3.92	4.39	6.13	7.58	8.96	24.99	5.907	4.55	4.381	1.85
	73*	22	.68	.89	1.67	2.37	2.92	2.72	2.91	3.08	4.07	5.98	6.15	3.092	1.62	2.668	1.80
	74	25	.71	1.31	2.00	2.52	2.89	3.94	4.11	4.90	5.52	7.82	8.57	4.071	2.21	3.947	1.87
HAMMOND																	
151780001A01	71	29	.91	1.01	1.89	2.73	3.00	3.11	3.71	4.64	4.84	8.93	18.23	4.395	3.25	3.473	2.02
	72	29	1.69	2.09	2.96	3.29	3.57	4.37	4.52	4.79	5.19	7.83	15.96	4.784	3.23	4.100	1.70
	73*	19	1.03	1.23	2.12	2.20	2.32	2.53	2.75	3.84	4.44	5.03	8.50	3.349	1.85	2.928	1.69
HAMMOND																	
151780002A01	74	27	1.53	1.56	1.77	1.95	2.42	2.93	3.27	3.91	4.09	4.84	8.09	3.260	1.69	2.927	1.59
INDIANAPOLIS																	
152090001A01	71	25	1.10	1.91	1.97	2.17	2.90	3.38	3.75	4.13	4.89	6.67	10.70	3.950	2.40	3.270	1.77
	72*	25	.26	1.34	1.96	2.94	3.09	3.26	3.70	4.13	4.84	5.28	6.05	3.378	1.93	2.935	1.92
	73*	23	1.15	1.39	2.30	2.83	3.01	3.76	4.06	4.26	4.49	5.28	8.02	3.817	1.67	3.448	1.62
NEW ALBANY																	
152980002A01	72*	24	.10	.76	1.49	2.86	3.20	3.77	4.67	4.98	5.98	6.05	16.79	4.675	3.83	3.232	2.85
	73*	22	1.22	1.59	2.56	2.83	3.30	3.60	4.01	4.41	4.92	5.82	13.16	4.138	2.46	3.649	1.69
SOUTH BEND																	
153880002A01	71*	23	1.16	1.31	2.09	2.27	2.96	3.54	4.51	4.90	4.92	6.03	6.39	3.633	1.66	3.228	1.68
	72*	25	.90	1.37	2.17	2.37	2.89	3.09	3.89	4.67	5.22	6.83	7.17	3.719	1.86	3.232	1.76

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = MI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73, 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %
6.7 ** 14
6.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
163880002A01	73*	26	.48	1.13	1.61	2.32	2.69	3.24	3.54	4.20	4.90	6.17	7.62	3.515	1.95	2.886	2.04
	74	30	.77	.96	1.33	2.05	3.14	3.55	4.28	4.46	4.86	5.81	11.19	3.746	2.30	3.067	1.97
TERRE HAUTE																	
165080001A01	71*	17	.38	.58	1.34	1.85	2.35	2.49	2.59	3.23	4.19	4.79	7.58	2.871	1.76	2.323	2.10
	72	26	.49	1.33	1.38	2.08	2.10	2.56	2.95	3.56	4.56	6.15	9.26	3.119	1.93	2.620	1.83
	74*	20	.49	1.21	1.85	1.87	2.88	3.32	3.80	4.34	4.49	5.99	8.29	3.489	1.89	2.986	1.83
IOWA																	
CEDAR RAPIDS																	
160490001A01	71*	22	.25	.83	1.36	1.83	2.12	2.36	2.64	2.85	3.26	5.88	6.82	2.739	1.75	2.212	2.08
	72	30	.23	.62	.86	1.47	1.62	2.10	2.73	3.04	3.80	5.01	6.62	2.602	1.73	2.010	2.21
	73	26	LD	.96	1.09	1.39	1.50	2.03	2.71	2.92	3.90	5.92	7.17	2.739	2.03	1.913	3.03
	74	23	.25	.50	1.13	1.63	2.20	2.98	3.15	3.62	4.64	5.72	6.58	2.970	1.92	2.206	2.46
DAVENPORT																	
161060001A01	71*	22	1.07	1.09	2.29	3.66	4.06	5.00	7.18	7.71	10.55	11.85	19.02	6.639	4.62	5.191	2.17
	72	27	.23	2.17	3.12	4.02	4.91	5.80	6.04	7.23	8.32	9.74	11.02	5.846	2.93	4.762	2.26
	73	26	1.22	1.88	2.37	2.77	3.13	3.58	3.81	4.40	5.42	6.80	12.00	4.086	2.21	3.624	1.63
	74	28	.73	1.79	2.01	2.28	2.84	3.00	3.38	3.86	4.09	5.48	8.72	3.480	1.80	3.081	1.66
DES MOINES																	
161180001A01	71	26	.43	.86	1.41	2.01	2.31	2.90	3.53	3.67	4.05	4.91	18.41	3.518	3.38	2.660	2.13
	72	28	.58	.88	1.72	1.85	2.22	2.37	3.44	3.91	4.16	4.93	6.03	2.992	1.53	2.569	1.83
	73	27	.96	1.10	1.17	1.32	1.59	1.97	2.37	3.04	4.69	7.86	10.76	3.507	3.09	2.531	2.21
	74	28	.44	1.31	1.46	1.66	2.00	2.31	3.34	3.73	5.43	6.23	10.10	3.325	2.35	2.612	2.08
DUBUQUE																	
161260001A01	72*	23	.21	.75	1.31	1.81	2.81	3.26	4.15	4.38	4.87	5.96	6.29	3.326	1.87	2.600	2.32
	73*	22	.83	.92	2.00	2.33	2.67	3.29	3.69	4.10	4.66	7.03	9.99	3.769	2.27	3.173	1.86
DUBUQUE																	
161260002A01	72*	23	.23	.71	1.52	1.69	1.84	2.86	3.01	3.75	4.34	6.19	7.79	3.221	2.10	2.499	2.26
	74	27	1.06	1.60	1.61	2.21	2.78	3.20	3.32	3.81	4.99	5.92	9.19	3.583	2.06	3.089	1.74
DUBUQUE																	
161260008A01	74	26	.80	.96	1.10	1.19	1.85	2.12	3.06	3.39	3.80	5.00	7.15	2.696	1.72	2.208	1.92
WATERLOO																	
163760009A01	71*	16	.87	1.60	2.01	2.43	2.96	2.65	2.99	3.35	3.77	4.01	8.18	3.172	1.65	2.838	1.63
	72*	18	1.10	1.44	2.58	2.90	3.45	3.86	4.35	4.97	5.09	5.60	7.69	4.095	1.73	3.695	1.65
	73*	18	1.15	1.25	1.50	1.79	2.58	2.91	3.28	3.37	3.42	5.97	7.62	3.308	1.99	2.842	1.76
	74	28	.58	.76	.95	1.15	1.86	2.02	2.66	3.31	3.74	4.38	6.63	2.506	1.51	2.087	1.95
KANSAS																	
KANSAS CITY																	
171800002A01	71	27	.89	1.56	1.82	2.00	2.45	2.69	2.83	3.27	3.72	3.82	9.25	4.933	1.87	2.640	1.87
	72	24	LD	1.13	1.76	1.83	2.08	2.55	3.00	3.98	4.20	5.31	7.07	3.397	1.72	2.349	2.97
	73	27	.59	1.31	1.39	1.67	1.77	2.41	2.59	3.25	4.11	4.91	10.10	2.916	2.18	2.490	1.89
	74	28	1.09	1.15	1.32	1.49	2.23	2.62	2.81	2.93	3.21	5.79	7.38	2.917	1.78	2.493	1.75
KANSAS CITY																	
171800012A01	74*	26	1.07	1.35	1.64	2.45	2.94	3.06	3.43	3.68	4.42	5.51	7.79	3.392	1.73	2.986	1.69
TOPEKA																	
173560001A01	71	26	.82	1.37	2.17	2.78	3.45	3.91	4.66	5.98	7.46	10.58	17.63	5.610	4.63	4.117	2.27
	72	26	LD	.09	.79	1.19	1.60	1.80	2.24	2.35	2.88	3.31	6.30	2.079	1.55	1.305	3.70
	73*	24	.95	.83	1.30	1.34	1.88	2.03	2.29	2.64	2.80	3.17	4.99	2.340	1.98	2.038	1.69
	74	27	.17	.89	1.11	1.38	1.98	2.19	2.62	2.96	3.96	4.97	6.12	2.893	1.61	2.079	2.19
WICHITA																	
173790001A01	71	25	.79	1.61	1.87	2.19	2.27	2.56	2.60	2.96	2.98	3.90	7.97	2.712	1.36	2.961	1.56
	72*	24	.58	.61	1.12	1.67	2.05	2.19	2.32	2.56	2.77	3.00	5.59	2.203	1.08	1.991	1.72
	73	28	LD	.74	1.13	1.19	1.67	2.10	2.27	2.79	3.09	3.99	9.59	2.100	1.13	1.61	2.71
	74	27	.89	1.19	1.32	1.52	1.89	2.06	2.11	2.46	2.79	3.91	5.19	2.287	1.11	2.068	1.56
KENTUCKY																	
ASHLAND																	
180080002A01	71	29	.48	.83	1.41	1.61	1.65	1.74	1.83	3.35	4.40	6.70	11.21	3.080	2.87	2.237	2.20
	72	29	.17	.59	.98	1.40	1.62	1.95	2.19	3.05	3.65	4.41	6.42	2.900	1.60	1.835	2.28
	73*	26	1.67	2.11	2.24	2.52	2.65	3.02	3.80	3.96	4.72	5.83	7.16	3.626	1.63	3.343	1.50
	74	30	.27	.68	1.12	1.39	1.81	2.01	2.58	2.96	3.41	5.80	6.96	2.817	1.58	2.026	2.06
BOWLING GREEN																	
180320001A01	71	26	.58	1.32	1.86	2.28	2.35	2.81	3.26	3.86	3.99	4.86	5.27	2.912	1.23	2.619	1.67
	72	23	.11	.69	.84	1.24	1.50	1.77	1.95	2.46	2.86	3.38	7.38	2.117	1.66	1.620	2.31
	73*	22	.16	.88	1.45	1.75	1.92	2.26	2.75	3.47	4.33	4.96	5.47	2.743	1.48	2.249	2.16
	74	25	.26	.69	1.16	1.57	1.90	2.42	2.59	3.06	3.91	5.36	6.62	2.769	1.77	2.088	2.38
COVINGTON																	
180400001A01	71	25	.79	1.09	1.60	1.93	2.02	2.37	2.83	3.40	3.75	4.23	13.03	3.022	2.41	2.491	1.82
	72	28	.40	.94	2.21	2.64	2.85	3.07	3.37	3.66	4.09	4.85	5.73	3.157	1.33	2.748	1.90

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, B
6.7 ** 16
6.7 ** 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KENTUCKY COVINGTON 180800001A01	74	27	.29	.92	1.18	1.89	2.05	2.57	2.69	3.02	4.39	5.81	7.41	2.940	1.92	2.309	2.18
LEXINGTON 182300001A01	71	25	.17	.69	1.29	1.77	2.19	2.54	2.91	3.88	3.98	5.01	22.70	3.548	4.33	2.378	2.52
	72	26	.11	.84	1.53	2.24	2.37	3.02	3.38	3.88	4.93	5.44	7.27	3.280	1.91	2.991	2.59
LOUISVILLE 182380002A01	74*	25	.76	1.46	1.58	1.93	2.43	2.86	3.49	3.93	4.02	5.11	6.70	3.043	1.47	2.681	1.71
LOUISVILLE 182380003A01	71	24	.22	.92	1.68	2.22	2.61	2.70	3.02	3.40	4.11	5.58	6.46	3.073	1.60	2.564	2.05
	73*	19	.75	1.98	2.08	2.50	2.93	3.25	3.60	3.77	4.83	6.02	7.45	3.619	1.73	3.209	1.70
LOUISIANA BATON ROUGE 190280001A01	71	29	.58	.93	1.00	1.16	1.41	1.70	2.08	2.25	2.45	3.79	4.68	1.972	1.07	1.726	1.69
	72	26	.11	1.05	1.16	1.39	1.41	1.65	2.33	2.60	2.78	3.27	6.21	2.199	1.31	1.798	2.11
	73*	21	1.23	1.69	1.72	1.91	2.20	2.63	2.66	2.97	3.22	3.56	7.29	2.769	1.32	2.547	1.98
	74	30	LD	.59	.87	.97	1.47	1.62	1.90	2.05	2.31	2.89	3.49	1.680	.89	1.298	2.66
NEW ORLEANS 192020002A01	71	24	1.46	1.76	2.05	2.39	2.96	2.85	3.19	3.98	4.01	4.23	6.39	3.139	1.28	2.913	1.48
	72	29	1.36	1.45	1.80	2.12	2.52	2.87	3.08	3.49	4.62	5.32	6.29	3.146	1.45	2.841	1.56
	73*	20	1.32	1.45	1.91	2.27	2.49	3.01	3.11	3.32	4.12	4.57	9.35	3.261	1.74	2.933	1.58
	74*	25	1.69	2.59	2.84	3.15	3.65	4.08	4.20	4.51	5.18	6.17	8.89	4.234	1.72	3.930	1.48
SHREVEPORT 192740001A01	71	21	1.19	1.29	1.36	1.63	1.88	1.96	2.30	2.37	2.81	3.23	4.32	2.220	.85	2.078	1.49
	72	24	.60	.82	1.09	1.36	1.63	2.22	2.42	2.56	2.90	3.96	5.41	2.241	1.38	1.971	1.84
	73*	24	.11	.84	.92	1.08	1.18	1.96	1.68	1.76	2.02	2.20	2.83	1.491	.80	1.316	1.85
	74	28	.74	1.00	1.40	1.57	1.89	1.77	2.03	2.20	2.38	2.85	3.04	1.878	.60	1.773	1.43
MAINE PORTLAND 200940002A01	71	29	.09	.10	.33	.47	.65	.70	.81	.90	1.09	1.85	2.36	.960	.61	.657	2.28
	72*	22	LD	LD	.17	.36	.49	.68	.73	.88	1.12	1.15	3.65	.758	.75	.450	3.55
	74*	20	.71	.85	.87	1.17	1.27	1.37	1.38	2.26	2.93	5.59	5.68	2.162	1.66	1.722	1.93
MARYLAND BALTIMORE 210120001A01	71*	29	1.12	1.28	1.50	1.66	2.19	2.83	3.23	3.52	4.06	4.89	6.47	2.982	1.50	2.631	1.67
	72	26	.29	1.30	1.68	2.29	2.53	2.84	3.33	3.68	4.35	4.92	5.67	3.045	1.44	2.587	1.98
	73	32	.37	1.50	1.89	2.53	3.03	3.24	3.54	3.76	4.22	4.45	5.72	3.173	1.20	2.869	1.68
	74	29	1.27	1.66	2.01	2.62	2.92	3.17	3.52	4.72	5.23	5.83	6.99	3.690	1.61	3.345	1.58
MASSACHUSETTS BOSTON 220290001A01	72*	19	.60	.70	.90	1.05	1.66	1.89	1.95	2.98	3.42	3.89	5.89	2.342	1.65	1.892	1.98
CAMBRIDGE 220340001A01	71	21	.22	.69	.90	1.07	1.10	1.50	1.84	2.14	2.74	3.19	4.67	1.813	1.10	1.497	1.97
FALL RIVER 220580002A01	71	23	.38	.39	1.16	1.39	1.68	2.01	2.27	2.38	2.78	4.60	5.02	2.192	1.29	1.805	1.99
SPRINGFIELD 222140002A01	71*	17	.07	.92	.69	.73	.84	1.46	1.85	2.09	2.18	2.30	2.95	1.425	.85	1.092	2.48
	72*	29	.16	.32	.73	.79	.98	1.22	1.45	2.02	2.49	2.81	4.19	1.518	.99	1.191	2.17
	74*	35	.62	.93	1.31	1.73	1.94	2.40	2.48	2.74	3.13	3.87	5.82	2.365	1.16	2.089	1.70
WORCHESTER 222490001A01	71	25	.26	.58	.76	1.10	1.20	1.33	1.58	2.06	2.32	2.56	2.75	1.528	.74	1.321	1.82
	72	27	.29	.47	.51	.65	.88	1.27	1.93	1.89	2.19	2.72	10.99	1.731	2.09	1.192	2.30
	73*	25	.23	.61	.94	1.36	1.45	1.65	2.27	2.49	2.60	5.76	6.37	2.298	1.76	1.738	2.22
	74*	29	.40	1.08	1.36	1.76	1.89	2.16	2.23	2.50	2.76	2.96	4.42	2.170	.83	1.986	1.59
MICHIGAN DEARBORN 231190001A01	72	27	.72	1.07	1.41	1.49	2.52	3.30	3.67	4.52	5.70	5.76	8.24	3.510	2.12	2.849	2.00
	73*	23	.31	1.11	2.67	2.82	3.18	4.09	4.86	5.19	5.63	7.66	8.99	4.348	2.23	3.629	2.06
	74	26	1.07	1.67	2.08	2.58	3.07	3.48	4.18	4.77	7.39	8.06	9.21	4.393	2.54	3.695	1.85
DETROIT 231140001A01	71	22	1.82	2.23	2.93	2.50	2.89	3.32	3.58	4.15	5.38	6.69	8.85	3.930	1.87	3.577	1.53
	72	29	1.13	1.71	1.93	2.36	3.57	3.85	4.08	4.36	5.07*	5.83	8.25	3.847	1.77	3.437	1.65
	73*	26	1.48	2.19	2.86	3.59	4.10	4.23	4.72	5.21	6.71	8.21	10.72	4.927	2.46	4.376	1.66
FLINT 231580001A01	71	23	.84	.69	1.17	1.67	1.80	2.19	2.40	2.73	2.84	3.92	6.86	2.998	1.60	2.817	1.92
	72	29	.48	.69	1.10	1.82	2.18	2.99	3.76	4.00	4.29	5.29	8.69	3.108	1.98	2.911	2.22
	73*	26	.42	1.84	2.64	3.09	3.66	4.12	4.84	4.99	5.73	6.33	9.23	4.279	2.09	3.808	2.01

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 02 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, %
6.7 ** 16
6.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
GRAND RAPIDS																	
261820001A01	71	24	1.24	1.31	1.62	2.22	2.51	2.61	3.04	3.97	4.71	6.98	7.51	3.427	1.90	2.967	1.73
	72	29	.34	1.10	1.66	2.75	3.21	3.36	3.70	4.27	4.95	5.99	8.97	3.656	1.95	3.064	1.97
	73*	23	.45	.98	2.64	3.41	3.55	3.73	4.02	4.45	5.29	8.65	8.91	4.257	2.21	3.612	1.99
LANSING																	
232840001A01	71	23	.40	.58	1.04	1.18	1.59	1.99	2.36	2.60	2.84	4.13	8.24	2.321	1.78	1.823	2.05
	72	28	.40	.98	1.47	1.86	2.33	2.87	3.33	3.75	4.13	5.00	8.78	3.209	2.03	2.619	1.99
	73*	26	.36	.49	.81	1.47	1.86	2.81	3.27	3.54	5.19	5.85	7.42	3.018	2.09	2.213	2.43
	74*	21	.61	.71	1.84	2.10	2.60	3.40	3.71	4.19	5.33	7.45	9.00	3.768	2.39	3.035	2.05
SAGINAW																	
234760001A01	71	28	.40	.88	1.46	1.65	1.79	2.21	2.40	3.28	4.22	5.71	7.17	2.781	1.80	2.229	2.06
	72*	26	.50	.77	.82	1.48	2.18	2.87	3.52	3.65	4.35	5.53	9.22	3.056	2.07	2.379	2.17
	73*	27	.34	.60	1.12	1.84	2.67	3.08	3.09	3.38	4.25	5.10	7.78	3.039	1.82	2.917	2.17
	74	29	.96	1.19	2.14	2.63	2.95	3.22	3.82	4.63	4.76	5.72	6.22	3.560	1.53	3.187	1.67
TRENTON																	
235120001A01	71	26	1.41	1.69	2.16	2.46	3.01	3.33	3.46	4.34	4.89	6.07	11.38	3.995	2.50	3.457	1.69
	72	28	.32	1.03	1.79	2.22	2.33	2.79	3.04	4.14	4.62	5.89	6.70	3.185	1.66	2.653	2.01
	73*	23	.83	.96	1.96	2.07	2.86	2.96	3.72	3.82	4.09	5.28	14.01	3.650	2.65	3.018	1.87
MINNESOTA																	
DULUTH																	
241040001A01	71	26	.32	.49	.59	.71	.96	1.19	1.39	1.69	2.29	2.97	5.25	1.505	1.08	1.200	1.99
	72	29	.13	.29	.63	.86	1.00	1.83	1.93	2.26	3.04	3.97	5.83	1.964	1.56	1.344	2.67
	73*	29	.21	.34	.51	.66	.69	.76	.94	1.72	2.00	2.86	9.79	1.565	1.97	1.017	2.37
	74	29	.33	.39	.61	.78	1.36	1.60	1.86	2.72	3.07	4.51	6.86	2.062	1.68	1.956	2.43
MINNEAPOLIS																	
242240001A01	71	29	.96	1.02	1.47	1.75	2.20	2.85	2.91	3.36	4.22	5.18	6.09	2.972	1.52	2.596	1.72
	72	26	1.32	1.96	2.27	2.86	3.23	3.82	4.46	4.85	5.49	5.91	10.10	4.175	1.97	3.751	1.61
	73*	18	.18	.85	1.20	1.82	2.87	3.04	3.59	3.75	3.89	5.12	7.49	3.209	1.88	2.987	2.41
MOORHEAD																	
242320001A01	71*	19	.19	.32	.43	.76	.78	.94	1.05	1.33	1.74	2.97	3.63	1.318	1.01	.989	2.24
	72*	20	.41	.47	.60	1.05	1.17	1.73	2.02	2.55	2.89	3.38	5.30	2.020	1.37	1.571	2.15
ST PAUL																	
243300001A01	71*	23	.16	.49	.62	.66	1.09	1.17	1.21	1.42	2.23	3.39	5.33	1.563	1.39	1.156	2.23
	72	29	.66	1.42	1.94	2.22	2.50	2.78	2.87	3.89	4.00	5.15	10.91	3.360	2.11	2.873	1.76
	73*	23	.50	.63	.87	.99	1.44	1.72	2.00	2.75	3.35	7.25	1.882	1.49	1.495	1.95
	74	28	.52	.73	1.36	1.61	2.10	2.68	2.95	3.78	3.98	4.80	6.85	2.865	1.69	2.356	1.97
MISSISSIPPI																	
JACKSON																	
251240002A01	73	29	.73	.82	1.52	1.97	2.27	2.44	2.60	2.68	2.94	3.14	5.42	2.422	1.12	2.165	1.66
	74	30	.38	1.01	1.30	1.43	1.71	1.80	2.08	2.26	2.52	3.05	4.03	1.975	.83	1.793	1.61
MISSOURI																	
KANSAS CITY																	
262380002A01	73	30	.91	1.39	1.66	2.20	2.58	2.80	3.12	3.82	4.17	5.33	15.39	3.642	3.00	2.957	1.84
	74*	24	1.09	1.39	1.82	1.90	2.11	2.15	2.40	3.10	3.87	4.46	8.91	2.989	1.86	2.604	1.66
ST LOUIS																	
264280001A01	71	23	.42	.51	.78	1.61	1.88	2.21	2.91	3.52	3.86	5.43	6.83	2.703	1.77	2.078	2.25
	72	27	1.42	1.79	2.09	2.87	3.18	3.70	4.27	4.49	5.04	5.58	7.31	3.854	1.55	3.542	1.53
	73	28	1.36	2.15	2.84	3.00	3.23	3.52	3.81	4.42	4.60	6.02	9.09	3.970	1.69	3.676	1.49
	74	27	.77	1.86	1.98	2.52	2.85	3.04	3.82	4.50	5.02	6.22	8.80	3.747	1.92	3.290	1.71
MONTANA																	
HELENA																	
270720001A01	71	22	.22	.26	.47	.80	.80	1.00	1.23	1.39	1.83	1.96	3.50	1.196	.76	.970	2.02
NEBRASKA																	
LINCOLN																	
281560002A01	71	25	LD	.15	.48	1.21	1.49	1.71	1.86	2.19	2.88	4.21	7.37	2.080	1.69	1.182	4.20
	72	28	.15	.33	.76	1.10	1.45	1.79	2.17	2.42	2.60	3.02	7.25	2.060	1.54	1.539	2.36
	73	31	.47	.73	.93	1.07	1.35	1.67	2.56	2.84	3.28	5.23	8.38	2.919	1.84	1.878	2.05
	74	30	.58	.96	1.12	1.75	2.22	2.56	2.83	2.98	3.31	3.97	6.59	2.627	1.41	2.250	1.81
OMAHA																	
281880001A01	71	25	.21	1.01	1.27	1.86	2.00	2.23	2.38	3.09	3.42	4.25	8.73	2.646	1.85	2.044	2.28
	72	29	LD	.73	1.54	1.82	2.57	2.86	3.19	3.46	3.95	4.42	8.93	3.084	2.04	2.248	2.94
	73	31	.94	1.04	1.44	1.82	2.40	3.05	3.26	3.28	4.00	6.02	10.34	3.275	2.19	2.717	1.85
	74	28	.65	.80	1.39	1.56	2.10	2.36	2.75	3.82	4.09	4.88	8.46	2.919	1.78	2.412	1.92
NEVADA																	
LAS VEGAS																	
290320001A01	71*	21	.52	1.22	1.24	1.33	1.98	2.51	2.91	3.03	3.28	4.22	4.67	2.519	1.18	2.219	1.73

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73 / 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, %
6.7 ** 16
6.7 ** 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEVADA																	
RENO																	
290480001A01	71*	23	.23	.23	.50	1.01	1.11	1.50	1.99	2.06	2.12	2.51	9.11	1.595	.99	1.211	2.22
	72	29	.23	.79	.87	1.09	1.48	1.64	1.79	2.09	2.49	2.86	6.59	1.886	1.32	1.535	1.95
	73	27	.27	.35	.45	.92	1.26	1.41	1.57	2.15	2.66	3.16	10.98	1.933	2.05	1.357	2.35
	74	27	.49	.78	1.17	1.66	1.82	2.05	2.28	2.90	3.21	3.23	9.05	2.198	.99	1.933	1.75
NEW HAMPSHIRE																	
CONCORD																	
300120001A01	71	25	.08	.20	.29	.47	.60	.76	.85	1.13	1.25	1.52	2.03	.817	.53	.621	2.33
	72	29	.17	.31	.52	.68	.89	.87	1.20	1.27	1.59	1.80	2.29	1.050	.58	.869	1.96
	74	23	.15	.17	.67	.82	.97	1.13	1.21	1.31	1.50	2.81	9.30	1.395	1.06	1.044	2.32
NEW JERSEY																	
BAYONNE																	
310180001A01	72*	24	.57	.92	1.44	1.95	2.51	3.09	3.75	4.50	5.06	5.55	6.78	3.356	1.77	2.822	1.92
	74*	22	1.18	1.72	2.14	2.71	3.12	3.23	3.36	3.53	4.21	4.54	7.99	3.382	1.41	3.128	1.50
BURLINGTON CO																	
310660002A01	71	25	.44	.93	2.00	2.29	2.39	2.72	3.18	3.41	3.95	5.23	9.29	3.088	1.81	2.589	1.92
CAMDEN																	
310720001A01	72*	19	.66	1.25	1.99	2.42	3.49	3.69	3.79	4.15	5.18	6.05	7.89	3.829	1.93	3.283	1.86
	73*	18	1.50	2.11	2.60	2.63	3.29	3.41	4.07	4.68	4.69	5.64	7.83	3.966	1.70	3.642	1.53
	74*	16	2.18	2.58	2.79	3.20	3.35	3.59	4.82	5.08	5.54	5.73	6.59	4.203	1.39	3.986	1.40
CAMDEN CO																	
310740002A01	72*	19	.29	.55	.64	1.23	1.41	1.90	2.13	2.50	2.78	3.50	4.22	2.011	1.16	1.629	2.09
	73*	19	.16	.97	1.06	1.93	2.08	2.23	2.57	2.75	3.02	3.23	6.82	2.433	1.43	1.979	2.17
ELIZABETH																	
311300002A01	71	24	.26	.27	1.00	1.27	1.59	2.05	2.50	3.38	4.17	4.52	7.79	2.631	1.99	1.901	2.50
	72*	26	.21	.82	1.24	1.97	2.03	2.62	2.77	3.38	5.10	5.43	7.35	3.079	1.98	2.329	2.90
	74	26	.87	1.57	1.82	2.18	2.44	2.83	3.58	3.73	4.67	5.64	7.30	3.310	1.65	2.907	1.71
GLASSBORO																	
311700001A01	71*	19	.47	.62	1.59	2.06	2.68	2.82	2.85	3.35	3.42	3.62	4.90	2.648	1.12	2.318	1.83
	72	29	.13	.31	1.12	1.66	2.15	2.30	2.59	3.30	3.82	4.15	5.99	2.471	1.51	1.901	2.69
	73*	24	.30	.94	1.26	1.36	2.09	2.29	2.62	3.10	3.25	4.22	6.71	2.589	1.59	2.130	1.97
	74	27	.12	1.47	1.66	1.91	2.42	2.60	2.76	3.06	3.32	3.90	5.53	2.617	1.12	2.253	2.02
JERSEY CITY																	
312320001A01	71	24	.65	.97	1.79	2.03	2.46	2.74	3.56	4.37	4.90	5.38	7.33	3.295	1.71	2.819	1.85
	72	29	.68	1.29	1.50	2.01	2.74	2.92	2.96	3.16	3.45	4.87	9.88	3.033	1.82	2.608	1.76
	73	30	.43	1.05	2.18	2.59	3.27	3.68	4.03	4.21	4.97	5.25	7.87	3.628	1.66	3.129	1.69
	74*	19	1.20	1.59	2.09	3.00	3.07	3.19	3.28	4.54	4.67	6.48	8.47	3.949	2.06	3.473	1.69
NEWARK																	
313480001A01	71*	22	.83	1.57	1.65	2.23	2.49	3.29	3.41	4.50	5.25	5.70	7.35	3.534	1.75	3.099	1.73
	72	28	.73	1.40	1.92	2.09	2.71	2.89	3.45	4.33	4.72	5.89	7.77	3.469	1.85	2.984	1.80
	74	28	.82	1.66	1.85	2.28	2.83	3.67	4.09	4.48	5.13	5.83	7.21	3.651	1.71	3.219	1.72
PATERSON																	
314140001A01	74*	21	.83	1.01	1.39	1.75	2.35	2.59	3.34	4.05	4.28	4.73	5.71	2.947	1.48	2.565	1.76
PERTH AMBOY																	
314220001A01	71	25	.79	1.30	1.43	1.53	1.73	2.13	2.16	2.33	2.71	3.51	5.12	2.188	.96	2.011	1.81
	72	25	.53	.96	2.13	2.28	2.38	2.74	3.08	3.54	3.77	5.26	6.25	2.969	1.39	2.603	1.77
TRENTON																	
315400001A01	71*	16	.87	1.06	2.14	2.23	2.74	3.00	3.58	3.85	4.15	4.91	6.93	3.352	1.61	2.955	1.73
	72	28	.70	1.21	1.50	1.73	2.03	2.53	2.87	3.06	3.83	4.36	5.99	2.767	1.36	2.438	1.68
	74	25	.72	1.83	2.41	2.61	3.19	3.42	4.09	4.38	4.99	5.65	6.96	3.590	1.59	3.210	1.69
NEW MEXICO																	
ALBUQUERQUE																	
320090001A01	71	23	.69	.77	1.07	1.23	1.31	1.37	1.90	1.55	1.63	1.90	2.39	1.905	.90	1.349	1.39
	72	29	.25	.55	.69	.91	1.03	1.09	1.22	1.33	.89	2.72	3.08	1.341	.76	1.147	1.80
	73*	26	.79	.83	.92	1.11	1.11	1.25	1.33	1.40	1.51	1.55	2.49	1.310	.42	1.252	1.34
	74	26	.08	.58	.86	1.15	1.38	1.71	1.87	2.24	2.45	2.72	3.93	1.740	.94	1.361	2.46
NEW YORK																	
ALBANY																	
330090001A01	71*	23	.53	.69	1.18	1.31	1.36	1.78	2.07	2.27	2.60	3.23	5.02	2.000	1.13	1.725	1.76
	72	29	LD	.21	.94	.59	1.02	1.28	1.91	2.26	2.42	2.67	3.82	1.967	1.02	.988	3.11
	74	23	.50	.54	.69	.88	.98	1.71	1.92	2.03	2.65	3.38	7.20	1.890	1.49	1.480	2.02
NEW YORK CITY																	
33968O001A01	71*	19	.67	1.44	1.83	2.01	2.42	2.78	2.87	3.98	4.03	5.09	7.31	3.232	1.82	2.761	1.83
	72	29	1.37	1.69	2.17	3.02	3.46	3.71	4.05	4.90	5.48	6.21	11.26	4.247	2.26	3.738	1.67
	73	28	1.73	2.00	3.48	3.58	4.09	4.35	5.63	5.89	6.02	6.88	8.10	4.827	1.67	4.501	1.49
	74	26	1.54	2.54	2.73	3.11	3.29	3.89	4.36	5.10	6.92	8.10	8.92	4.627	2.20	4.152	1.61
NIAGARA FALLS																	
339790001A01	71	26	.70	1.71	1.83	2.06	2.07	2.23	2.54	3.05	4.23	4.47	6.43	2.829	1.33	2.543	1.61

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-73		6.7 +- 16
74		6.7 +- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW YORK																	
NIAGARA FALLS																	
339790001A01	72	29	1.02	1.08	1.57	2.32	3.12	3.34	3.63	5.25	5.85	7.26	10.22	4.053	2.52	3.307	1.96
	74	26	1.19	1.47	1.62	1.97	2.10	2.95	3.26	3.38	3.82	6.51	12.10	3.489	2.62	2.869	1.82
ROCHESTER																	
335760001A01	71	29	.31	.45	1.04	1.16	1.25	1.81	1.90	2.16	2.62	3.69	5.66	1.980	1.26	1.616	1.97
	72	30	.43	1.03	1.47	2.04	2.26	2.44	2.72	3.26	3.93	4.22	9.43	2.888	1.83	2.398	1.91
	73*	21	.32	.33	1.59	1.85	2.37	2.69	2.85	3.14	3.31	5.47	5.75	2.079	1.58	2.342	2.16
	74	30	.99	1.03	1.56	1.76	1.84	2.25	2.75	2.84	3.30	3.76	6.25	2.523	1.19	2.274	1.69
SYRACUSE																	
336620001A01	71	28	.32	.52	1.43	1.63	2.19	2.34	2.50	2.79	3.48	4.37	6.97	2.590	1.58	2.100	2.06
	72	29	.23	.90	1.61	2.24	2.72	2.87	3.32	3.52	3.76	4.24	6.06	2.856	1.29	2.446	1.95
	73*	20	.71	1.24	1.71	2.00	2.33	2.56	2.78	3.29	3.46	4.22	8.69	2.909	1.67	2.546	1.69
	74	26	.50	1.33	1.62	2.13	2.39	2.82	3.42	3.79	4.08	4.80	7.96	3.227	1.82	2.749	1.83
UTICA																	
336880001A01	71	28	.33	.65	1.09	1.75	1.93	2.15	2.62	3.21	3.71	4.10	5.19	2.967	1.33	2.037	2.01
	72	26	.42	.66	1.13	1.52	1.62	1.84	2.10	2.32	2.92	3.41	5.83	2.139	1.29	1.816	1.83
	74*	20	LD	.55	1.37	1.57	1.57	2.24	2.31	2.46	3.58	4.73	9.21	2.707	2.19	1.820	3.33
YONKERS																	
337620001A01	71*	21	.49	1.22	2.00	2.22	2.64	3.36	3.82	4.07	4.52	5.05	5.49	3.281	1.37	2.909	1.76
	72*	18	.77	2.03	2.37	2.48	2.72	3.37	3.93	5.74	5.82	6.18	6.63	3.928	1.77	3.482	1.72
	74*	18	1.73	1.80	2.30	2.48	2.78	3.56	3.65	4.12	4.12	4.78	6.23	3.464	1.23	3.257	1.44
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	72	26	LD	.38	.72	.82	1.08	1.42	1.50	1.58	1.88	2.12	3.13	1.339	.70	1.054	2.54
	73	24	.68	1.35	1.80	2.03	2.41	2.44	2.52	3.01	3.10	3.73	4.01	2.544	.86	2.379	1.49
	74	30	.21	.56	1.01	1.09	1.38	1.52	1.79	2.06	2.43	2.71	4.26	1.719	.88	1.468	1.86
DURHAM																	
341160001A01	71*	16	.34	.67	.70	1.07	1.07	1.24	1.55	1.57	2.29	2.53	3.06	1.523	.76	1.328	1.77
	72	25	.51	.69	.76	.84	1.09	1.18	1.37	1.61	1.64	1.90	3.16	1.294	.58	1.181	1.54
	73	30	.07	.73	.99	1.10	1.47	1.67	1.88	2.25	2.63	3.39	4.56	1.901	1.06	1.552	2.17
	74	26	.08	.50	.57	1.00	1.17	1.53	1.96	2.09	2.31	2.54	3.48	1.571	.87	1.231	2.35
GREENSBORO																	
341740001A01	72	26	.44	.72	.92	1.40	1.49	1.82	2.03	2.13	2.58	2.80	4.15	1.905	.87	1.689	1.70
	73	30	.25	1.01	1.10	1.56	1.94	2.17	2.53	2.64	3.27	3.73	5.04	2.311	1.16	1.977	1.88
	74	30	LD	.87	1.19	1.49	1.63	2.00	2.04	2.35	2.69	3.03	4.75	2.013	.98	1.618	2.54
WINSTON-SALEM																	
349460002A01	71	23	.91	.92	1.23	1.56	1.82	2.13	2.23	2.30	2.73	3.80	6.36	2.323	1.27	2.095	1.66
	72	24	.22	.32	.70	.85	1.09	1.14	1.31	1.56	1.85	3.26	3.88	1.965	1.02	1.755	2.09
	73*	23	.28	.55	.73	1.07	1.47	1.85	2.27	2.56	3.05	4.22	4.64	2.130	1.34	1.887	2.12
	74	26	.25	.84	1.17	1.65	1.70	1.83	2.05	2.39	2.98	3.41	3.60	2.047	.94	1.760	1.91
NORTH DAKOTA																	
BISMARCK																	
350100001A01	71	26	.07	.35	.37	.45	.46	.80	1.02	1.15	1.32	1.40	2.16	.863	.52	.685	2.17
	72	29	LD	.37	.53	.59	.66	.84	.92	.98	1.29	2.34	3.25	1.092	.86	.803	2.50
	73	27	.27	.56	.67	.81	.90	.97	1.02	1.26	1.52	1.82	3.47	1.241	.84	1.034	1.83
OHIO																	
AKRON																	
360060001A01	71	25	1.30	1.62	1.76	2.25	2.34	2.65	3.08	3.98	4.02	7.11	9.35	3.504	2.06	3.045	1.69
	72*	25	.66	.97	1.06	1.65	2.04	2.27	2.93	3.14	3.50	5.00	6.69	2.676	1.54	2.256	1.85
	73*	25	.31	.93	1.32	2.32	2.56	2.91	3.06	3.98	4.09	4.77	5.88	2.852	1.42	2.373	2.04
	74*	16	.79	1.31	1.90	2.12	2.18	2.37	2.81	2.89	3.20	3.82	5.61	2.717	1.17	2.476	1.59
CANTON																	
361000001A01	71	23	1.30	1.31	1.81	2.06	2.35	3.07	3.23	3.41	4.03	4.78	8.69	3.196	1.67	2.852	1.61
	72	27	.67	1.00	1.24	1.77	2.20	2.99	3.13	4.32	4.85	5.60	6.40	3.167	1.76	2.448	1.91
	73*	25	.80	1.37	1.64	1.76	2.02	2.62	2.80	3.27	4.42	4.94	7.05	2.888	1.55	2.518	1.71
	74*	22	.65	1.05	1.49	1.92	2.29	3.36	3.53	3.93	4.82	5.65	9.97	3.378	2.09	2.811	1.90
CINCINNATI																	
361220001A01	71	23	.48	.89	1.86	2.87	3.29	3.96	3.61	4.01	4.71	6.36	8.69	3.689	1.92	3.127	1.92
	72	28	1.68	2.29	2.94	3.09	3.22	3.49	3.87	4.04	4.38	5.12	7.29	3.710	1.18	3.838	1.37
	73*	26	1.11	1.36	2.33	2.63	2.80	2.94	3.10	3.21	4.05	4.56	6.09	3.153	1.21	2.918	1.81
	74*	22	.81	1.87	2.21	2.61	2.62	3.06	3.27	4.09	4.60	4.87	7.53	3.468	1.65	3.138	1.61
CLEVELAND																	
361300001A01	72*	23	.29	1.24	1.85	2.39	2.99	3.63	4.39	4.51	4.97	5.81	6.95	3.628	1.78	3.048	2.03
COLUMBUS																	
361960001A01	71	24	.63	1.38	1.98	2.45	2.58	2.85	3.08	3.68	3.76	3.99	6.14	2.986	1.19	2.727	1.59
	72	30	.23	1.20	2.06	2.42	2.91	3.84	3.77	3.92	4.17	4.50	5.29	3.221	1.29	2.811	1.90
DAYTON																	
361660001A01	71*	22	.84	1.53	2.47	2.69	2.99	3.16	3.69	3.86	4.01	4.11	8.18	3.956	2.01	3.463	1.73

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 - NITRATE
METHOD = 42 - HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73, 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %: 71-73: 4.7 +- 16; 74: 4.7 +- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	72	28	1.41	1.88	2.69	2.89	3.45	3.84	4.76	5.19	5.38	6.90	14.22	4.565	2.59	4.008	1.67
	73*	25	1.36	2.96	2.76	3.12	3.39	4.64	4.92	5.84	6.40	7.69	8.62	4.640	2.04	4.199	1.59
IRONTON																	
363080002A01	71	23	.29	.92	1.89	2.35	2.60	2.96	3.29	3.54	4.07	4.80	6.87	3.123	1.58	2.583	2.13
	72	23	.28	.53	1.96	2.09	2.97	2.86	3.16	3.22	3.55	5.90	10.59	3.101	2.15	2.958	2.15
	73*	19	1.10	1.36	1.67	1.75	2.39	2.62	2.94	3.38	4.43	5.90	6.79	3.138	1.70	2.792	1.70
PORTSMOUTH																	
365420002A01	71	25	.15	.44	.60	1.33	1.91	2.40	2.66	3.50	4.01	5.48	6.37	2.564	1.80	1.775	2.80
	72	28	.11	.20	1.28	1.55	1.78	1.91	2.33	3.08	3.29	3.88	9.67	2.921	1.87	1.691	2.82
	73*	29	.16	.16	.92	1.01	1.30	1.69	1.83	2.11	2.40	4.28	5.69	2.010	1.46	1.981	2.97
STEUBENVILLE																	
366420001A01	71	23	.80	1.19	1.61	1.83	2.29	3.23	3.70	4.47	4.80	5.33	12.26	3.510	2.45	2.875	1.91
	72*	23	1.59	2.00	2.61	2.62	3.48	3.64	3.86	5.01	6.44	7.34	9.15	4.359	2.10	3.696	1.62
	73*	22	2.01	2.26	2.72	3.16	3.35	3.49	3.56	3.95	4.50	5.48	8.75	3.868	1.49	3.666	1.38
TOLEDO																	
366600001A01	71*	23	.93	1.33	1.99	2.31	2.82	3.71	3.80	4.29	4.96	6.31	10.77	3.871	2.31	3.310	1.78
	72	28	.33	1.02	1.39	2.49	2.86	3.82	4.26	4.80	5.19	5.71	9.56	3.877	2.32	3.101	2.19
	73*	24	.70	1.00	1.59	2.45	2.92	4.54	4.95	5.58	5.83	6.84	7.81	4.147	2.22	3.388	2.06
	74*	17	.15	.17	.24	.34	.51	.57	.58	.96	1.39	1.92	2.49	.852	.70	.614	2.36
YOUNGSTOWN																	
367740001A01	71	25	1.62	1.91	2.36	2.61	2.78	3.83	3.99	4.42	4.60	6.38	8.97	3.855	1.82	3.494	1.56
	72	30	.26	1.78	2.27	2.88	3.02	3.56	3.88	5.10	6.02	6.73	10.41	4.099	2.11	3.484	1.95
	73*	29	1.37	1.58	2.16	2.68	3.18	3.61	4.18	5.26	5.35	5.92	6.96	3.872	1.65	3.499	1.61
	74*	23	.55	1.59	2.15	2.35	2.91	2.81	3.01	3.72	4.19	4.83	5.88	3.105	1.28	2.804	1.65
OKLAHOMA																	
OKLAHOMA CITY																	
372200015A01	72	26	1.22	1.50	1.65	1.85	2.03	2.44	2.93	3.32	3.44	3.87	9.80	2.981	1.87	2.618	1.62
	74*	19	.17	.26	1.03	1.27	1.32	1.55	2.76	4.05	4.39	5.59	7.56	2.909	2.28	1.943	2.86
OKLAHOMA CITY																	
372200029A01	72	29	.85	1.42	1.64	1.82	2.30	2.67	2.84	3.25	3.64	4.11	8.19	3.075	1.82	2.664	1.70
	73*	17	.67	1.10	1.13	1.22	1.47	1.77	2.13	2.65	2.73	3.88	4.77	2.170	1.22	1.983	1.73
TULSA																	
373000001A01	71	25	1.21	1.53	2.05	2.22	2.45	3.02	3.10	3.29	3.72	4.82	6.89	3.061	1.39	2.802	1.54
	72*	25	1.15	1.34	1.53	1.87	1.99	2.27	2.57	2.74	3.03	3.93	4.67	2.588	1.24	2.328	1.53
	73	30	.49	1.05	1.32	1.82	2.10	2.39	2.77	3.04	3.63	3.99	6.19	2.625	1.29	2.317	1.69
	74	29	1.09	1.30	1.63	1.99	2.31	2.56	3.11	3.59	3.85	4.93	7.50	3.032	1.65	2.663	1.67
OREGON																	
PORTLAND																	
381460001A01	71*	17	.88	1.21	1.35	1.80	2.09	2.82	3.49	4.52	5.01	5.79	7.17	3.329	1.93	2.783	1.89
	72	28	.30	.89	1.96	2.13	2.71	2.79	3.40	4.70	5.69	7.45	15.02	4.007	3.31	2.862	2.47
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	71	29	.88	1.11	2.20	2.89	3.47	3.83	3.93	4.57	4.98	6.97	9.25	4.001	2.03	3.467	1.79
	72	28	1.13	1.71	2.24	3.32	3.50	4.26	4.64	5.36	5.38	6.99	7.59	4.166	1.74	3.738	1.66
	73	26	.71	1.11	1.42	2.61	2.74	3.00	3.88	4.39	4.93	5.85	7.82	3.480	1.85	2.945	1.88
	74	25	.77	1.75	2.06	2.39	2.62	3.24	3.81	4.65	5.60	5.81	7.69	3.684	1.82	3.227	1.73
ALTOONA																	
390190001A01	71	25	.69	1.21	1.57	1.96	2.16	2.51	2.63	3.01	3.62	4.18	6.08	2.677	1.25	2.391	1.65
	72	30	.09	.56	1.60	2.16	2.27	2.66	3.07	3.68	4.03	4.69	5.67	2.825	1.49	2.126	2.74
	73	27	.47	1.89	2.11	2.72	2.79	3.39	3.50	3.94	5.16	5.31	9.25	3.409	1.77	3.168	1.77
	74*	21	1.37	2.03	2.27	3.02	3.31	4.00	4.98	5.24	5.47	5.69	6.89	4.127	1.51	3.817	1.53
BETHLEHEM																	
390780002A01	71	25	LD	1.41	1.56	2.24	2.75	3.39	3.54	3.78	4.21	5.55	5.91	3.111	1.52	2.394	2.94
	72	29	.29	1.02	1.30	1.45	1.74	2.58	2.79	3.04	3.44	4.40	6.09	2.579	1.48	2.160	1.92
	73	26	.27	1.05	1.52	2.15	2.50	3.43	4.05	4.26	4.48	5.32	11.89	3.595	2.41	2.809	2.29
	74*	23	.83	1.16	1.82	2.08	2.90	3.12	3.45	4.01	4.42	4.43	15.03	3.851	2.95	3.135	1.89
CLEARFIELD CO																	
391820001A01	72*	23	LD	LD	.10	.12	.14	.33	.77	.93	1.15	1.39	1.88	.618	.58	.312	3.95
ERIE																	
393060002A01	71*	18	1.08	1.52	1.67	1.85	2.01	2.14	2.39	3.07	3.44	4.79	6.21	2.777	1.44	2.484	1.60
	72	27	.39	1.01	1.67	3.20	3.49	4.22	4.41	4.73	5.13	5.35	9.26	3.991	2.11	3.217	2.11
	73	26	.28	.75	2.01	2.42	2.79	3.45	4.02	5.13	5.59	6.06	15.33	4.165	3.10	3.047	2.52
	74*	20	.32	.96	1.44	1.99	2.11	2.16	2.47	2.60	4.20	5.89	7.47	2.919	1.92	2.348	2.06
HARRISBURG																	
393880001A01	71	25	1.36	1.98	2.24	2.58	3.06	3.22	3.80	4.32	5.23	6.60	8.19	3.869	1.87	3.475	1.59
	72	28	.39	1.63	1.87	2.10	2.22	2.73	3.08	4.31	4.76	6.06	8.90	3.522	2.11	2.891	2.00
	73*	22	.56	.57	1.66	2.46	2.63	3.48	3.75	4.51	5.28	6.37	8.79	3.796	2.25	3.082	2.07

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 - NITRATE
METHOD = 92 - HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

NO3

YEARS: 71-73; 74
CONCENTRATION RANGE
CONFIDENCE LIMITS: % 6.7 +- 16; 6.7 +- 12

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA HAZLETON																	
393960001A01	71	25	.21	.79	.82	1.35	1.93	1.97	2.30	2.59	3.90	3.93	5.23	2.154	1.29	1.717	2.16
	72	28	.07	.17	.59	.76	1.15	1.70	2.67	2.89	3.08	3.39	4.69	1.936	1.31	1.309	2.99
	73	29	.42	.56	.95	1.65	1.91	2.31	2.69	3.04	3.34	3.53	6.67	2.372	1.39	1.933	2.03
	74	29	.29	.54	.79	1.14	1.57	1.60	1.75	2.24	3.07	3.86	7.24	2.056	1.50	1.589	2.16
LANCASTER CITY																	
399660002A01	74*	23	.26	.36	1.60	2.16	3.38	3.82	3.98	4.60	4.74	5.13	8.09	3.563	2.08	2.682	2.56
PHILADELPHIA																	
397190001A01	71	24	.96	1.17	1.80	2.69	3.61	3.73	4.11	4.41	4.95	6.47	7.92	3.789	1.78	3.329	1.75
	72	27	1.40	1.84	1.92	2.42	2.84	3.07	3.61	4.23	4.38	4.92	6.15	3.358	1.36	3.082	1.84
	73	25	.66	1.60	2.18	3.16	3.48	4.45	4.61	4.89	6.03	7.23	22.30	4.862	4.13	3.813	2.06
PHILADELPHIA																	
397190004A01	74	27	1.27	1.47	2.36	2.88	3.41	3.79	4.05	4.77	6.28	6.65	8.56	4.139	1.96	3.658	1.70
PITTSBURGH																	
397260001A01	71*	19	2.28	2.43	2.61	2.91	3.13	3.16	3.32	3.44	4.20	4.76	5.94	3.468	.99	3.349	1.30
	72	27	.30	1.73	1.96	2.21	2.96	3.41	3.74	4.62	5.41	6.19	8.28	3.769	2.01	3.172	1.96
	73	29	1.17	1.55	2.06	2.53	2.82	3.17	3.30	3.44	3.86	3.92	6.19	3.179	1.22	2.954	1.49
	74	29	.79	1.32	2.16	2.40	2.61	2.65	2.71	3.22	3.71	4.01	5.50	2.886	1.12	2.666	1.62
READING																	
397620001A01	71*	17	.83	.86	.87	1.75	2.38	3.33	3.78	3.93	4.61	4.80	6.31	3.092	1.69	2.585	2.00
	72	29	.13	.90	1.66	2.30	2.62	3.01	3.23	3.91	4.77	5.18	5.52	3.132	1.56	2.548	2.29
	73*	20	.68	1.05	1.84	2.03	2.98	3.07	3.99	4.55	5.02	5.59	9.28	3.548	2.13	2.998	1.93
SCRANTON																	
398040001A01	71	26	1.05	1.43	1.93	2.41	2.85	2.93	3.67	3.95	4.12	4.99	5.88	3.262	1.35	2.970	1.58
	72	28	.69	1.25	1.72	1.96	2.55	2.87	3.13	3.68	3.77	4.01	6.02	2.882	1.22	2.594	1.65
	73	25	1.11	1.93	2.13	2.61	2.72	2.81	3.36	4.30	4.69	5.09	9.54	3.605	1.96	3.189	1.66
	74	23	1.17	1.59	2.24	2.39	2.55	2.71	2.82	3.01	3.85	4.98	6.97	3.112	1.38	2.859	1.51
WARMINSTER																	
399160001A01	74*	18	.96	1.20	1.71	1.90	2.19	2.42	2.59	3.01	3.27	3.51	3.76	2.469	.81	2.325	1.45
WEST CHESTER																	
399280001A01	73*	26	.27	.62	1.17	1.58	1.69	2.01	2.35	2.92	3.87	4.69	6.42	2.600	1.70	2.051	2.19
WILKES-BARRE																	
399430001A01	71	25	.35	.76	.93	1.33	1.75	2.09	2.53	2.60	3.21	3.59	5.44	2.265	1.34	1.854	2.00
	72	28	.20	.39	.81	.98	2.01	2.33	2.63	2.74	2.95	3.42	5.25	2.165	1.24	1.696	2.27
	73	25	.24	.45	.61	1.38	1.90	2.13	2.72	2.94	3.01	3.76	4.21	2.192	1.22	1.671	2.28
	74	29	.11	.49	.83	1.31	1.67	1.86	2.01	2.77	3.57	4.16	5.39	2.197	1.41	1.670	2.38
YORK																	
399560001A01	71	25	1.07	1.65	1.76	2.19	3.73	4.00	4.87	5.07	5.83	6.52	14.80	4.308	2.79	3.616	1.83
	72	29	.35	1.30	1.53	3.11	3.51	3.77	3.80	3.95	5.07	5.87	8.14	3.736	1.83	3.177	1.94
	73	24	1.22	1.42	2.12	2.58	2.99	3.70	4.03	6.02	6.56	7.67	13.77	4.580	2.90	3.843	1.83
PUERTO RICO BAYAMON																	
400380002A01	71*	19	.48	.52	.60	.73	.82	.84	.86	.89	1.02	1.17	3.05	.982	.57	.886	1.52
	72	29	.13	.22	.80	.97	1.03	1.44	1.83	2.04	2.55	2.76	4.18	1.647	1.04	1.249	2.40
	74*	23	.62	.70	.88	.93	.99	1.03	1.13	1.16	1.21	1.36	1.59	1.057	.23	1.031	1.25
CATANO																	
400560002A01	72	27	LD	LD	.07	.18	.33	.48	.62	.93	1.33	1.64	5.46	.896	1.21	.377	4.62
	73*	20	LD	LD	.18	.37	.43	.45	.50	.69	.76	.87	1.62	.532	.37	.347	3.40
	74*	20	.30	.32	.69	.84	.95	1.07	1.10	1.11	1.23	1.45	1.91	1.011	.38	.927	1.59
GUAYANILLA																	
401080002A01	71	25	LD	LD	.09	.33	.40	.47	.57	.77	.89	1.80	1.63	.654	.43	.328	3.72
	72	30	.36	.42	.50	.63	.60	.66	.71	.79	1.01	1.19	1.32	.718	.26	.679	1.93
	73*	20	.37	.38	.39	.45	.48	.51	.67	.67	.73	.90	1.07	.607	.20	.576	1.39
PONCE																	
401920002A01	71*	21	LD	LD	LD	.16	.25	.34	.40	.53	.59	.66	1.32	.377	.31	.225	3.82
	72	30	.29	.37	.42	.49	.57	.60	.68	.77	.96	1.19	1.88	.705	.35	.630	1.61
	73*	21	.23	.35	.42	.47	.50	.52	.59	.68	.89	1.31	1.87	.691	.40	.607	1.64
	74*	18	.33	.42	.48	.50	.56	.60	.72	.76	.79	.87	1.72	.692	.30	.645	1.44
SAN JUAN																	
402140001A01	71*	18	LD	LD	.19	.32	.86	.92	.95	1.10	1.19	1.58	3.29	.988	.82	.562	4.10
	72	26	.22	.61	.81	.85	.99	1.06	1.28	1.46	1.73	1.89	2.02	1.207	.49	1.089	1.65
	73*	22	.40	.55	.66	.72	.83	.92	.98	1.04	1.26	1.40	2.25	1.000	.43	.929	1.49
	74*	23	.51	.51	.62	.76	.86	.94	.96	1.00	1.05	1.26	1.95	.935	.31	.889	1.38
RHODE ISLAND EAST PROVIDENC																	
410120001A01	71	23	.26	.39	1.07	1.36	1.92	1.77	2.17	2.23	2.81	2.91	3.77	1.810	.90	1.518	1.99
	72	28	.22	.36	.81	.87	1.67	1.72	2.10	2.[illegible]	2.93	3.90	5.99	2.092	1.41	1.597	2.29
	73*	27	.66	1.08	1.38	1.67	2.09	2.40	2.56	2.63	3.10	4.03	4.92	2.395	1.08	2.149	1.64
PROVIDENCE																	
410300001A01	71	24	.25	.38	.96	.77	1.25	1.49	1.71	2.34	2.46	2.73	3.06	1.545	.91	1.229	2.13

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 - NITRATE
METHOD = 92 - HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 - UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73, 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %
6.7 ** 16
6.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
PROVIDENCE																	
410300001A01	72	29	.18	.34	.63	.85	.93	1.25	1.55	1.80	2.28	2.52	4.11	1.509	1.01	1.168	2.17
	73*	26	.15	.82	1.03	1.56	1.84	1.98	2.54	2.61	3.51	4.15	5.39	2.351	1.35	1.906	2.13
	74*	20	.15	1.08	1.47	1.84	2.40	2.58	2.91	3.19	3.42	5.49	6.82	2.922	1.68	2.350	2.25
SOUTH CAROLINA																	
COLUMBIA																	
420740001A01	72	26	.51	.89	1.05	1.82	1.84	2.08	2.50	2.62	2.79	2.89	3.77	2.109	.83	1.904	1.65
	73	26	LD	1.36	1.47	2.20	2.31	2.74	2.87	3.23	3.57	4.65	5.08	2.785	1.26	2.229	2.74
	74*	24	.79	.86	1.41	1.55	1.60	1.72	1.92	2.01	2.48	2.85	3.21	1.892	.63	1.788	1.42
GREENVILLE																	
421180001A01	71	25	.32	.52	1.21	1.36	1.67	1.70	1.76	2.10	2.28	2.44	3.78	1.733	.74	1.538	1.74
	72	28	.20	.72	1.20	1.28	1.58	1.67	2.27	2.64	3.22	3.46	4.72	2.114	1.16	1.746	2.03
	73	30	.17	.83	1.28	1.36	1.56	1.87	2.35	2.53	3.63	4.10	4.42	2.251	1.22	1.882	1.98
	74	30	.31	.35	.56	1.20	1.46	1.56	1.99	2.17	2.63	3.58	5.00	1.880	1.19	1.478	2.16
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	71	25	.32	.46	.91	1.17	1.52	1.83	1.85	2.39	2.69	3.50	6.62	1.993	1.35	1.597	2.04
	72*	25	.19	.43	.61	.66	1.35	1.72	2.01	2.50	2.89	3.96	4.62	1.850	1.32	1.349	2.41
	73*	21	.06	.61	.98	1.02	1.19	1.45	2.20	2.55	3.16	3.52	4.86	1.996	1.28	1.503	2.87
TENNESSEE																	
CHATTANOOGA																	
440380001A01	71*	16	.98	1.23	1.25	1.59	1.73	2.45	2.55	2.58	2.65	3.26	4.08	2.298	.91	2.125	1.51
	72	26	1.00	1.19	1.39	1.69	1.79	1.85	2.26	2.44	3.29	3.85	4.81	2.282	.99	2.095	1.61
KNOXVILLE																	
441740002A01	71*	20	.66	.77	1.41	1.59	1.91	2.23	2.33	2.55	2.93	3.34	5.42	2.332	1.16	2.041	1.70
	72	26	.37	1.12	1.47	1.69	1.73	2.39	2.71	2.79	3.19	3.36	4.69	2.375	1.10	2.062	1.83
	74*	19	.72	.80	1.30	1.59	1.88	2.09	2.27	3.03	3.19	3.33	4.31	2.292	1.05	2.037	1.69
MEMPHIS																	
442340001A01	71*	23	1.17	1.53	2.50	2.62	2.88	3.02	3.12	3.37	3.64	4.27	5.30	3.119	.99	2.961	1.40
	72	30	1.09	1.41	1.64	2.19	2.38	2.56	3.08	3.36	4.06	4.58	7.08	2.991	1.36	2.711	1.57
	73	29	.91	1.05	1.34	2.13	2.42	2.49	2.95	3.21	3.54	4.26	4.70	2.792	1.33	2.484	1.66
	74	30	.99	1.40	2.05	2.22	2.47	3.27	3.42	4.00	4.76	5.49	6.99	3.403	1.56	3.045	1.69
NASHVILLE																	
442540001A01	72	26	1.13	2.10	2.36	2.78	2.85	3.08	3.33	3.55	4.23	4.91	5.80	3.354	1.19	3.161	1.93
	73	29	.07	.21	.35	2.32	2.45	2.68	2.87	3.43	3.85	4.09	4.21	2.686	1.63	1.796	3.28
	74*	23	1.49	1.55	2.47	2.52	2.60	2.91	3.39	3.52	3.79	4.33	6.19	3.167	1.11	2.985	1.42
TEXAS																	
AUSTIN																	
450220002A01	71	24	.58	1.32	1.76	1.81	2.15	2.30	2.51	3.00	3.28	4.13	5.23	2.531	1.06	2.306	1.69
CORPUS CHRISTI																	
451150001A01	74*	20	1.37	1.43	1.56	1.75	2.00	3.12	3.28	3.82	5.40	6.06	8.90	3.558	2.22	2.989	1.82
DALLAS																	
451310002A01	71	23	.72	1.13	1.44	1.89	2.13	2.30	2.57	3.17	3.45	3.84	4.67	2.550	1.09	2.309	1.62
	72	28	.76	1.05	1.26	1.40	1.79	2.00	2.32	2.56	3.26	3.59	4.09	2.292	1.17	2.028	1.66
	73*	25	.67	1.42	2.36	2.60	2.89	3.07	3.62	4.11	4.30	4.06	4.28	3.371	1.51	2.973	1.75
	74	26	1.33	1.73	2.59	2.95	2.99	3.90	4.48	5.00	5.68	8.66	16.25	4.858	3.38	4.042	1.82
EL PASO																	
451700002A01	71*	19	.63	.67	.78	1.12	1.29	1.39	1.37	1.52	1.57	1.63	2.70	1.332	.48	1.253	1.44
	72	25	.99	1.12	1.15	1.31	1.45	1.63	1.71	1.83	2.76	3.39	3.95	1.900	.87	1.742	1.80
	73	28	.47	.62	1.17	1.35	1.58	1.79	1.99	2.20	2.29	3.40	5.58	1.979	1.09	1.718	1.74
	74	28	.39	1.06	1.24	1.30	1.91	1.69	2.07	2.35	2.72	2.92	5.02	1.971	.94	1.769	1.66
FORT WORTH																	
451880001A01	71	26	1.22	1.30	1.54	1.84	1.98	2.30	2.54	2.86	3.32	3.58	10.69	2.772	1.91	2.413	1.63
	72	30	.98	1.60	1.87	2.23	2.47	2.79	2.91	3.10	3.76	4.92	6.39	2.935	1.25	2.695	1.52
	73	26	1.30	1.67	1.81	2.05	2.13	2.52	2.84	2.96	3.73	4.25	9.99	2.968	1.62	2.680	1.54
	74	30	.88	1.66	2.19	2.29	2.39	2.76	3.03	3.43	3.74	5.67	9.63	3.275	1.78	2.919	1.60
HOUSTON																	
452540001A01	71	25	.82	1.28	1.69	2.31	2.91	3.41	3.58	3.98	4.31	5.08	13.39	3.584	2.52	2.998	1.82
	72	28	.86	1.15	1.58	1.94	2.49	2.65	2.77	3.50	3.68	5.35	10.10	3.281	2.22	2.735	1.82
	73	29	.34	1.28	1.53	1.80	2.16	2.78	3.01	3.20	3.72	4.36	4.77	2.869	1.52	2.452	1.85
	74	27	LD	1.36	1.61	1.91	2.27	2.95	2.72	4.11	5.75	6.39	9.83	3.383	2.20	2.505	2.93
LUBBOCK																	
453340001A01	71*	18	.51	.69	.86	.92	1.00	1.18	1.22	1.37	1.37	1.65	1.76	1.168	.35	1.113	1.39
PASADENA																	
453060002A01	71	24	.51	.86	1.52	2.32	2.96	2.82	3.19	3.27	4.27	4.30	12.01	3.405	2.59	2.705	2.03
	72	29	.77	1.17	1.74	2.10	2.21	2.80	3.00	3.17	4.60	4.90	7.98	3.081	1.67	2.687	1.77
	73	25	.05	.76	1.20	1.67	2.19	2.51	2.76	3.06	3.91	5.19	8.63	2.732	1.87	1.998	2.76

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73 / 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %
6.7 ** 16
6.7 ** 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
PASADENA																	
484060002A01	74*	19	.96	1.02	1.13	1.62	1.79	2.31	2.92	2.85	3.27	6.23	8.31	2.886	2.12	2.328	1.92
SAN ANTONIO																	
485570001A01	71	25	.10	.90	1.54	1.85	2.06	2.29	2.98	2.67	2.87	3.71	3.99	2.228	.96	1.859	2.21
	72	28	.35	.88	1.02	1.35	1.62	1.84	2.47	2.79	3.61	4.87	7.60	2.530	1.81	1.995	2.05
	73*	23	.99	1.31	1.70	1.78	2.07	2.14	2.99	3.63	2.89	4.26	6.62	2.579	1.30	2.337	1.64
	74	29	.82	.88	1.29	1.59	2.09	2.90	2.78	3.15	3.64	4.53	9.74	2.758	1.85	2.294	1.86
WICHITA FALLS																	
485560001A01	71*	17	.51	.55	.78	1.18	1.28	1.58	1.59	1.81	1.99	2.11	3.59	1.561	.72	1.403	1.64
UTAH																	
OGDEN																	
486480001A01	71	26	.42	.89	1.22	1.53	1.87	2.16	2.28	2.47	4.70	6.05	13.17	3.157	2.95	2.289	2.22
	72	29	.63	.91	1.02	1.29	1.76	1.96	2.08	2.27	3.13	4.15	7.45	2.362	1.61	1.962	1.83
	73	29	.21	.83	1.06	1.89	2.13	2.26	2.39	2.62	3.63	4.58	14.73	3.011	2.86	2.222	2.23
SALT LAKE CITY																	
486920001A01	71*	19	1.54	1.56	1.93	1.99	2.41	2.77	2.78	3.02	3.46	4.64	7.49	3.047	1.55	2.765	1.54
	72	28	.84	1.09	1.23	1.48	1.90	2.00	2.23	2.68	2.85	3.68	7.92	2.493	1.70	2.116	1.74
	73*	15	.88	1.64	2.02	2.73	2.79	2.94	3.73	4.32	4.41	10.33	14.70	4.268	3.60	3.368	1.97
VERMONT																	
BURLINGTON																	
470140001A01	71*	19	.13	.13	.42	.50	.52	.78	.98	1.55	1.72	2.08	2.28	1.064	.74	.776	3.96
	74	28	.57	.71	1.44	1.58	2.07	2.38	2.50	2.71	3.02	3.29	6.74	2.416	1.29	2.092	1.78
VIRGINIA																	
DANVILLE																	
480920001A01	71*	17	.57	.79	.79	1.03	1.05	1.60	1.60	2.29	2.55	2.61	3.59	1.722	.94	1.489	1.75
	72	27	.77	1.25	1.55	2.04	2.12	2.32	2.54	2.67	2.91	2.98	4.08	2.351	.77	2.219	1.45
	74*	21	.39	.72	1.29	2.11	2.20	2.45	2.78	3.12	3.55	3.76	5.08	2.561	1.19	2.225	1.85
FAIRFAX CO																	
481060001A01	71	24	.11	.19	.49	.86	1.33	1.84	1.92	2.40	3.17	3.44	4.17	1.889	1.21	1.369	2.66
	72	30	.05	.13	.46	.72	1.11	1.26	1.69	2.03	2.55	2.87	3.80	1.478	1.02	1.009	2.93
	73*	24	.07	.16	.48	1.18	1.79	2.26	2.30	2.51	2.78	3.64	4.19	1.979	1.21	1.387	2.91
HAMPTON																	
481440001A01	71	25	.22	.54	.71	1.01	1.20	1.43	1.88	2.52	2.77	3.29	6.27	1.855	1.33	1.520	2.23
	72	28	.18	.45	.82	.86	1.12	1.51	1.80	2.19	2.59	3.17	11.65	2.021	2.16	1.396	2.43
	73	31	1.06	1.29	1.50	1.78	2.07	2.59	2.75	3.08	3.59	4.34	6.78	2.791	1.38	2.462	1.60
	74	25	.29	.93	.91	1.32	1.59	1.87	2.27	2.54	2.89	3.17	4.43	1.961	1.07	1.589	2.13
LYNCHBURG																	
481840001A01	71	25	1.10	1.29	1.57	1.64	1.89	1.96	2.14	2.22	3.53	4.29	4.99	2.376	1.10	2.167	1.53
	72	30	.47	.96	1.43	1.99	2.17	2.21	2.49	2.60	2.72	2.86	4.07	2.216	.79	2.052	1.56
	73*	22	.93	1.12	1.56	1.77	1.97	2.07	2.70	2.94	3.10	3.28	4.05	2.345	.89	2.191	1.47
	74*	16	.42	.89	1.46	1.67	1.69	1.79	2.17	2.25	3.23	3.25	3.79	2.106	.91	1.879	1.72
NEWPORT NEWS																	
482120001A01	71	25	.07	.60	.92	1.18	1.35	1.55	1.80	2.34	2.73	3.55	4.52	1.853	1.11	1.453	2.35
	72	29	.33	.81	1.11	1.24	1.36	1.49	1.70	2.07	2.69	3.61	7.80	2.054	1.51	1.680	1.88
	73*	24	.44	.81	1.20	1.42	1.61	1.97	2.13	2.80	3.29	3.65	4.23	2.220	1.08	1.941	1.75
NORFOLK																	
482140001A01	71	25	.54	.63	1.35	1.88	2.19	2.49	2.55	3.12	3.24	3.93	4.18	2.390	1.11	2.055	1.87
	72	31	LD	.10	1.55	1.69	2.15	2.40	2.51	2.93	3.71	5.15	11.57	2.730	2.19	1.673	4.08
	73	53	.31	.72	.93	1.30	1.70	2.10	2.38	2.59	3.04	4.89	7.44	2.282	1.51	1.829	2.04
	74	30	.56	.75	1.52	1.83	1.98	2.14	2.58	2.81	3.08	3.42	4.84	2.348	1.01	2.097	1.69
PORTSMOUTH																	
482440001A01	71*	18	.52	1.70	2.35	2.43	2.96	3.48	3.87	4.37	4.39	4.65	5.56	3.421	1.28	3.085	1.72
	72	30	1.38	1.60	2.08	2.56	2.82	3.26	3.37	3.67	3.97	4.97	9.86	3.470	1.76	3.135	1.56
	73	29	1.19	1.92	2.50	3.14	3.43	3.70	3.83	4.16	5.53	5.73	6.15	3.779	1.39	3.505	1.51
	74*	21	1.08	1.64	2.01	2.18	2.20	2.45	2.85	2.99	3.72	4.38	6.69	2.882	1.23	2.668	1.49
RICHMOND																	
482640002A01	72*	16	.29	.98	1.10	1.50	1.59	1.89	2.54	2.68	3.36	3.77	5.97	2.432	1.50	1.961	2.13
	74	28	.44	.68	.89	1.40	1.70	2.02	2.45	2.83	2.89	3.22	4.90	2.112	1.09	1.802	1.85
ROANOKE																	
482700001A01	71	25	1.36	1.63	1.80	2.19	2.22	2.55	2.63	2.83	3.16	3.70	6.31	2.692	1.00	2.499	1.39
	72*	27	.82	1.39	1.74	1.98	2.01	2.37	2.55	3.08	3.21	3.62	5.17	2.553	.99	2.369	1.51
	73	29	.85	1.03	1.48	1.63	1.77	1.96	1.98	2.08	2.37	2.57	3.71	1.976	.70	1.869	1.43
	74*	24	.44	.70	.97	1.16	1.32	1.84	2.16	2.32	2.48	2.77	3.12	1.807	.74	1.631	1.42
WASHINGTON																	
SEATTLE																	
491840001A01	71	25	.77	.82	.88	1.36	1.46	1.86	2.27	2.69	2.85	3.49	4.42	2.055	1.08	1.779	1.75
	72	27	.27	.62	.55	.73	.82	1.13	1.51	2.00	2.34	2.61	4.47	1.561	1.15	1.216	2.07

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12304 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS 71-73, 74
CONCENTRATION RANGE
CONFIDENCE LIMITS, %: 6.7 ** 16; 6.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
9918900001A01	73	31	.77	.92	1.13	1.26	1.72	2.27	2.97	3.09	3.32	3.61	4.30	2.357	1.08	2.086	1.69
SPOKANE																	
9920900001A01	71	25	LD	.13	.32	.53	.87	.95	1.19	1.59	1.71	2.52	3.22	1.172	.86	.784	3.06
	72	29	.15	.22	.41	.57	.78	1.11	1.38	1.72	2.08	2.15	4.00	1.244	.89	.915	2.38
	73*	21	.43	.70	.79	.81	1.18	1.40	1.67	1.72	1.75	2.21	2.95	1.456	.68	1.302	1.65
TACOMA																	
9921400001A01	71	25	.29	.43	.45	.73	.90	1.40	1.93	2.80	3.23	3.89	5.19	1.935	1.47	1.380	2.44
	72	30	LD	.23	.41	.85	1.05	1.32	1.76	2.51	3.05	3.78	7.66	1.863	1.67	1.141	3.30
	73	30	.04	.63	.79	1.17	1.30	2.17	2.26	2.33	2.86	3.20	3.81	1.992	1.05	1.539	2.39
WEST VIRGINIA																	
CHARLESTON																	
5002800001A01	71	25	.18	.23	.72	1.18	1.35	1.65	1.80	2.10	2.73	3.56	4.96	1.846	1.25	1.378	2.44
	72	29	LD	.06	.37	.73	1.05	1.28	1.53	1.82	2.42	3.80	7.67	1.743	1.71	.936	4.04
	73	29	.18	.35	.80	1.00	1.19	1.29	1.45	1.59	2.46	2.92	6.29	1.695	1.40	1.263	2.25
	74	28	.17	.34	.83	.90	1.35	1.85	2.20	3.29	4.17	4.60	6.12	2.355	1.72	1.678	2.54
HUNTINGTON																	
5007000U2A01	72	24	.78	1.37	1.77	2.35	3.52	3.62	4.05	4.29	4.77	4.99	5.62	3.467	1.41	3.102	1.69
HUNTINGTON																	
5007000005A01	73*	23	.96	1.25	1.72	2.53	2.71	3.09	3.16	3.87	4.18	5.56	7.75	3.350	1.67	2.965	1.68
SOUTH CHARLEST																	
5017600001A01	71	24	.18	.76	.95	1.36	1.47	1.59	1.97	2.27	2.62	4.16	7.29	2.202	1.69	1.679	2.29
	72	30	LD	.29	.34	.62	.79	1.19	1.47	1.88	2.61	2.80	6.65	1.523	1.40	.925	3.32
	73	28	.13	.42	.68	.81	1.09	1.18	1.45	2.22	2.36	2.87	5.69	1.702	1.37	1.209	2.55
	74	26	.58	.75	1.01	1.17	1.28	1.59	1.90	2.04	2.72	3.09	6.83	2.003	1.38	1.667	1.82
WISCONSIN																	
EAU CLAIRE																	
5108900002A01	71	23	.13	.60	.73	.79	.78	1.29	1.38	2.26	2.49	3.41	3.82	1.617	1.11	1.299	2.23
	72	30	.22	.91	1.00	1.11	1.39	1.99	2.26	3.20	3.49	3.78	4.32	2.163	1.22	1.785	1.98
	73*	23	.29	.27	.71	1.01	1.20	1.36	1.69	1.79	1.86	2.89	5.45	1.630	1.17	1.288	2.09
KENOSHA																	
5115400001A01	71	29	.89	.94	1.22	1.35	2.08	2.57	3.00	4.39	4.57	6.23	8.39	3.196	2.19	2.298	2.73
	72	27	.96	1.72	2.01	2.30	3.09	3.13	4.11	4.93	4.93	5.29	9.43	3.699	1.85	3.269	1.67
	73*	26	1.19	1.89	2.25	2.53	2.76	3.66	4.15	4.74	5.61	6.09	10.18	4.072	2.18	3.569	1.69
MADISON																	
5118600001A01	71	26	.56	.96	1.22	1.69	1.72	2.00	2.24	2.90	3.43	5.09	6.16	2.539	1.56	2.137	1.82
	72	30	.38	1.00	1.09	1.36	1.72	1.94	2.57	2.96	3.09	3.33	9.21	2.202	.99	1.949	1.73
	73*	27	.61	.67	1.01	1.13	1.62	2.45	2.74	3.92	4.91	5.17	7.26	2.918	2.09	2.206	2.23
	74	25	.49	.77	1.47	2.07	2.29	2.50	2.72	3.28	3.59	5.16	6.92	2.849	1.69	2.390	1.91
MILWAUKEE																	
5122000001A01	71	24	.67	.73	1.52	2.33	2.69	3.76	4.15	4.96	5.52	7.85	23.90	4.645	4.70	3.291	2.33
	72	28	.64	.94	1.59	2.39	2.83	3.23	4.21	4.85	5.69	7.66	16.62	4.209	3.31	3.167	2.25
	73*	27	.93	1.58	1.86	3.21	3.62	4.91	5.06	5.28	6.86	7.39	9.18	4.521	2.29	3.867	1.86
RACINE																	
5128800001A01	71*	18	.23	.33	.84	.97	1.45	1.61	2.33	2.56	3.07	4.60	8.12	2.495	2.26	1.707	2.58
	72	27	.11	.83	1.67	2.99	3.51	3.71	4.04	4.92	5.29	5.59	9.59	3.821	2.03	3.027	2.42
	73*	25	1.37	1.69	1.82	2.31	2.53	3.03	3.19	3.85	4.53	5.95	6.79	3.267	1.52	2.957	1.67
	74	24	.47	.82	1.50	1.88	2.23	2.58	3.45	3.82	3.88	4.29	8.01	2.930	1.65	2.463	1.91
SUPERIOR																	
5134800001A01	71*	16	LD	.07	.15	.19	.20	.40	.69	1.37	2.89	3.56	4.88	1.318	1.69	.520	4.74
	73*	15	.22	.29	.53	.69	.81	1.17	1.28	1.98	1.72	2.47	3.15	1.271	.85	.997	2.15
WYOMING																	
CASPER																	
5201200001A01	71	26	.05	.23	.34	.42	.49	.61	.73	.82	1.03	1.07	1.49	.675	.28	.549	2.10
	72	29	LD	LD	.09	.25	.36	.46	.50	.78	.82	1.21	1.36	.543	.41	.319	3.80
	73	30	LD	.34	.59	.69	.70	.80	.93	1.12	1.39	1.83	2.95	.952	.66	.756	2.37
CHEYENNE																	
5201400001A01	71	21	LD	.08	.24	.27	.32	.49	.76	.96	1.71	1.80	4.30	.897	.99	.516	3.25
	72	30	LD	LD	.17	.21	.40	.50	.65	.72	.84	1.25	1.98	.599	.50	.372	3.23

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 02 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

NO3

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-73		6.7 +- 16
74		6.7 +- 12
74		6.7 +- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	71*	18	LD	LD	.09	.14	.16	.24	.57	1.01	1.15	1.93	2.96	.726	.86	.300	9.72
	73*	22	LD	.06	.15	.30	.33	.37	.45	.67	.72	.77	1.50	.982	.36	.342	2.69
	74	26	LD	.08	.11	.22	.29	.42	.55	.80	1.10	1.30	1.99	.649	.57	.384	3.37
MARICOPA CO																	
030990005A03	73	30	LD	.26	1.25	1.28	1.89	2.09	2.32	2.94	2.65	3.96	5.25	2.083	1.29	1.518	2.93
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	71*	21	LD	.09	.30	.38	.96	.99	1.29	1.38	1.53	1.77	2.91	.980	.69	.659	3.07
	72	28	LD	.13	.44	.50	.60	.69	1.03	1.31	1.68	2.31	3.80	1.093	.89	.685	3.91
	73*	21	.11	.75	.97	1.09	1.19	1.99	1.98	2.29	2.35	3.19	4.50	1.702	1.02	1.391	2.11
	74	29	.15	.18	.50	.70	1.06	1.17	1.39	1.51	1.71	2.04	3.60	1.271	.82	.979	2.28
COLORADO																	
MESA VERDE NAT																	
061530002A03	71	24	LD	LD	LD	.07	.14	.24	.32	.38	.51	.68	5.12	.980	1.01	.191	3.93
	72*	19	LD	NO. OF SAMPLES (13) BELOW MIN. DET. EXCEEDS 50%									.59				
	73	25	.07	.15	.17	.22	.29	.30	.36	.50	.50	.79	.93	.388	.24	.319	1.93
DELAWARE																	
KENT CO																	
080060001A03	71*	21	LD	.04	.55	.84	1.08	1.66	1.91	2.53	2.79	3.90	3.52	1.721	1.13	1.122	3.59
FLORIDA																	
HARDEE CO																	
101680001A03	71	22	.22	.33	.98	.80	.82	.95	1.25	1.34	1.50	1.83	2.92	1.097	.57	.940	1.89
	72	22	.18	.28	.91	.52	.60	.65	.67	.80	1.23	1.38	1.98	.752	.39	.651	1.77
	74*	19	.50	.55	1.00	1.12	1.34	1.51	1.56	1.65	1.71	2.52	2.99	1.499	.67	1.346	1.63
HAWAII																	
HAWAII CO																	
120080001A03	74*	21	LD	LD	LD	.05	.08	.09	.11	.13	.16	.24	.32	.110	.08	.082	2.28
HAWAII CO																	
120080002A03	74*	17	LD	LD	LD	LD	.11	.12	.12	.13	.15	.15	.99				
HAWAII VOLCANO													LD				
120090001A03	72	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. EXCEEDS 50%									.93				
	74*	21	LD	LD	.05	.05	.08	.12	.12	.14	.21	.24	.93	.129	.09	.097	2.25
IDAHO																	
BUTTE CO																	
130340001A03	71*	21	LD	LD	LD	LD	.11	.15	.15	.16	.27	.91	1.26				
	72	25	LD	LD	LD	.07	.09	.11	.15	.17	.22	.33	.68	.162	.15	.104	2.73
	73	25	LD	LD	LD	.11	.13	.17	.19	.25	.28	.23	1.36	.283	.33	.159	3.26
INDIANA																	
MONROE CO																	
152800001A03	71*	16	.07	.11	.23	.74	.98	1.10	1.82	2.00	2.82	3.08	5.67	1.731	1.53	1.029	3.51
	72	22	.06	.29	.90	.75	.99	1.25	1.39	1.50	1.95	2.33	3.13	1.267	.79	.977	2.97
	73*	18	.18	.55	.94	1.06	1.19	1.73	1.89	2.07	2.48	3.35	3.99	1.819	1.02	1.478	2.11
PARKE CO																	
153240001A03	71	24	LD	.31	.63	.65	1.11	1.50	2.21	2.61	2.97	4.25	6.09	1.959	1.53	1.266	3.25
	72	28	.07	.16	.56	.61	1.55	1.85	2.37	2.74	3.01	4.87	6.59	2.125	1.68	1.292	3.99
	73*	22	.36	.74	.78	1.22	2.39	2.92	2.99	2.61	2.80	3.93	5.87	2.360	1.93	1.908	2.03
LOUISIANA																	
IBERVILLE PAR																	
191280001A03	74	23	.35	.91	1.64	1.74	1.87	2.16	2.20	2.41	2.61	3.19	3.69	2.123	.79	1.931	1.65
MAINE																	
ACADIA NAT PAR																	
200010001A03	71	23	.08	.16	.58	.78	.88	1.01	1.10	1.23	1.47	2.43	2.58	1.122	.68	.885	2.26
	72	28	.13	.23	.28	.37	.98	.84	.66	1.05	1.54	1.93	3.98	.919	.82	.643	2.35
	73*	25	.09	.19	.36	.93	.99	.62	.69	.88	1.07	1.27	1.65	.689	.39	.570	1.98
	74*	21	.15	.95	.66	.68	.71	1.19	1.57	1.81	2.15	2.72	5.58	1.581	1.36	1.156	2.30
MARYLAND																	
CALVERT CO																	
210280001A03	72*	19	.06	.13	.52	.59	.71	.84	1.16	1.26	1.37	1.61	2.92	1.025	.67	.762	2.59
	73*	17	.13	.13	.13	.89	1.32	1.34	1.91	1.92	2.18	2.35	3.07	1.911	.90	.966	3.00
	74*	19	.13	.15	.51	.61	1.01	1.09	1.15	1.28	2.08	2.64	3.10	1.309	.93	.948	2.53

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 92 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 - UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73 74

CONCENTRATION RANGE

CONFIDENCE LIMITS, %
6.7 +- 16
6.7 +- 12

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSISSIPPI																	
JACKSON CO																	
251280001A03	71*	23	.04	.11	.51	.53	.60	.77	.91	1.21	1.23	1.90	2.31	.898	.59	.700	2.33
	72	28	LD	.23	.59	.91	1.13	1.21	1.90	1.68	1.91	2.29	2.86	1.349	.75	1.001	2.80
	73*	21	.42	.99	.74	1.15	1.36	1.80	1.98	2.34	2.57	2.76	9.10	1.787	.93	1.518	1.88
	74	29	.08	.16	.57	.67	.79	.99	1.29	1.35	1.84	2.47	5.13	1.325	1.06	.943	2.58
MISSOURI																	
SHANNON CO																	
249480002A03	71	29	LD	LD	.11	.43	.58	.74	.77	.99	1.22	1.89	2.78	.842	.72	.999	3.62
	72*	22	LD	.09	.13	.46	.55	.70	.72	.79	.96	1.56	2.29	.741	.60	.588	3.01
	73	26	.11	.49	.56	.69	.70	.81	1.02	1.18	1.65	1.85	3.93	1.075	.70	.867	2.07
	74*	25	.11	.40	.54	.85	.96	1.18	1.44	1.65	1.79	2.39	2.76	1.254	.70	1.020	2.10
MONTANA																	
GLACIER NAT PA																	
270670001A03	71*	18	LD	LD	LD	LD	LD	LD	.06	.07	.08	.16	.66				
	72	28	LD	LD	LD	LD	LD	.05	.07	.12	.19	.32	1.05				
	73	26	LD	LD	LD	.06	.09	.11	.14	.18	.20	.31	.62				
NEBRASKA																	
THOMAS CO																	
282480001A03	71*	17	.08	.16	.17	.20	.29	.40	.58	.61	.98	1.01	2.27	.639	.62	.428	2.63
	72*	22	LD	LD	LD	.11	.13	.24	.49	.73	1.15	2.43	3.03				
	73	26	.17	.26	.35	.39	.43	.50	.62	.77	.97	1.55	4.05	.862	.87	.629	2.13
	74*	22	.13	.13	.26	.41	.53	.68	.81	1.07	1.61	1.69	3.79	.936	.82	.662	2.93
NEVADA																	
WHITE PINE CO																	
290560001A03	72	30	LD	LD	LD	LD	LD	.05	.07	.19	.27	.58	.80				
	73	31	LD	LD	LD	LD	.09	.15	.25	.33	.48	.84	1.08				
	74	26	LD	LD	.11	.25	.34	.45	.55	.66	.85	.99	1.25	.511	.36	.325	3.33
NEW HAMPSHIRE																	
COOS CO																	
300190001A03	71*	18	LD	LD	.18	.18	.22	.34	.44	.71	.72	.89	1.07	.448	.34	.295	3.05
	72	27	LD	.11	.14	.25	.30	.32	.38	.70	.99	1.10	1.16	.496	.37	.340	2.80
	73*	22	.05	.05	.12	.35	.43	.52	.62	.97	1.49	1.76	2.41	.806	.71	.477	3.32
	74*	21	LD	.09	.22	.31	.42	.53	.72	.80	.92	1.09	1.45	.608	.38	.448	2.69
NEW MEXICO																	
RIO ARRIBA CO																	
320920001A03	72	29	.13	.16	.22	.23	.36	.42	.50	.55	.59	.68	1.09	.430	.23	.371	1.77
NEW YORK																	
JEFFERSON CO																	
333490001A03	71	25	LD	.09	.34	.51	.56	.97	1.41	1.68	2.00	2.68	3.81	1.278	1.07	.734	3.87
	72*	25	LD	.09	.13	.34	.59	.87	.98	1.37	1.69	3.23	9.20	1.178	1.19	.602	3.96
	74*	20	LD	.20	.36	.38	.81	1.18	1.59	2.23	2.58	3.83	9.73	1.600	1.34	.955	3.84
NORTH CAROLINA																	
CAPE HATTERAS																	
340590001A03	71*	22	LD	.17	1.16	1.62	1.69	1.80	2.01	2.22	2.67	3.27	3.63	1.935	.96	1.952	3.02
OKLAHOMA																	
CHEROKEE CO																	
370480001A03	71*	22	.11	.43	.54	.66	.80	.95	1.03	1.29	1.77	1.87	2.29	1.089	.57	.916	1.96
	72	27	.18	.43	.53	.66	.77	1.02	1.23	1.41	2.06	2.47	3.89	1.296	.89	1.018	2.10
	73	29	.17	.66	.71	.87	.98	1.19	1.32	1.90	1.82	2.09	3.59	1.330	.72	1.193	1.81
	74*	26	.10	.42	.70	.77	.85	1.01	1.12	1.49	1.85	2.84	5.49	1.318	1.06	.996	2.30
OREGON																	
CURRY CO																	
380490001A03	71*	15	LD	LD	LD	.13	.15	.22	.23	.91	.97	.21	1.99	.372	.48	.193	3.60
	72	23	LD	LD	LD	.14	.20	.30	.44	.62	.87	1.09	1.92	.932	.91	.226	3.93
	73*	20	LD	LD	LD	LD	LD	.18	.29	.39	1.10	1.83	2.12				
PENNSYLVANIA																	
CLARION CO																	
391740001A03	71	25	LD	.11	.19	.54	.56	.72	.76	.88	1.37	1.83	1.95	.825	.60	.532	3.31
	72	28	LD	LD	.13	.21	.36	.54	.93	1.08	1.26	1.90	3.49	.885	.88	.549	4.19
	73	30	.05	.07	.09	.29	.61	.76	1.00	1.38	1.69	2.32	9.80	1.097	1.13	.669	3.96

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12306 = NITRATE
METHOD = 02 = HI-VOL REDUCTION-DIAZO COUPLING
UNITS = 01 = UG/CU METER (25 C)

INORGANICS
NO3

YEARS 71-73 74

CONCENTRATION RANGE

CONFIDENCE LIMITS: %
0.7 ** 16
0.7 ** 12

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
CLARION CO																	
391760001A03	74*	23	.07	.10	.20	.30	.75	.93	1.08	1.23	1.90	2.00	5.80	1.099	1.15	.666	3.09
INDIANA CO																	
399240002A03	72*	18	.09	.09	.15	.29	.99	.64	.67	1.10	1.33	1.75	2.81	.870	.78	.549	2.99
RHODE ISLAND																	
WASHINGTON CO																	
910380002A03	71	24	.12	.27	.58	.72	.78	1.12	1.61	1.65	1.99	2.47	3.19	1.323	.85	1.011	2.30
	72	28	LD	.32	.42	.48	.72	1.09	1.47	1.63	1.85	2.26	2.50	1.186	.75	.869	2.71
	73*	19	.05	.28	.71	.91	1.05	1.23	1.27	1.37	1.97	2.08	3.71	1.319	.83	1.008	2.53
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	71	21	.18	.46	.54	.62	.68	.73	.95	1.39	1.73	2.13	4.89	1.192	1.01	.926	2.03
	72	27	.23	.30	.49	.63	.68	.96	1.05	1.35	1.68	1.93	2.05	1.097	.58	.875	1.90
	73	31	.08	.12	.46	.71	.75	.85	.95	1.22	1.90	1.63	2.06	.992	.52	.747	2.26
	74*	26	.20	.46	.53	.71	.89	.98	1.07	1.19	1.20	1.26	2.01	.970	.93	.866	1.69
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	71	23	LD	LD	LD	.05	.06	.11	.12	.16	.19	.30	.59				
	72	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. EXCEEDS 50%									.24				
	73	27	LD	LD	LD	LD	.05	.10	.17	.29	.26	.27	.59				
TEXAS																	
MATAGORDA CO																	
483530001A03	71	23	.45	.67	.82	.95	1.19	1.29	1.45	1.67	1.89	2.06	9.67	1.963	.86	1.278	1.69
	72	28	.10	.28	.38	.79	.80	.92	1.22	2.13	2.20	2.32	3.10	1.289	.88	.932	2.51
	73	28	.41	.53	.66	.78	1.01	1.26	1.92	2.25	2.32	2.78	5.91	1.719	1.18	1.368	2.01
	74	30	.67	.83	.96	1.12	1.51	1.53	2.05	2.30	3.16	9.39	6.65	2.199	1.50	1.802	1.87
TOM GREEN CO																	
455200001A03	71	25	LD	.31	.90	.69	.93	1.18	1.33	1.70	1.82	2.18	2.96	1.191	.69	.890	2.69
	72	28	.52	.68	.90	.96	1.01	1.06	1.27	1.36	1.96	2.19	9.19	1.339	.79	1.188	1.89
	73	25	.46	.79	.93	1.06	1.17	1.23	1.96	1.77	1.80	2.00	2.20	1.376	.97	1.290	1.95
	74*	29	.18	.91	.71	.79	.89	1.16	1.17	1.32	1.38	1.99	2.08	1.068	.93	.956	1.71
VERMONT																	
ORANGE CO																	
470340001A03	71*	23	.09	.09	.22	.27	.92	.72	.85	.93	1.19	1.71	2.80	.820	.68	.547	2.77
	72	28	.05	.12	.17	.36	.55	.59	.70	.91	1.23	1.89	3.06	.789	.69	.523	2.82
	72	28	.05	.12	.17	.36	.55	.59	.70	.91	1.23	1.34	3.06	.789	.69	.523	2.82
	73	26	.05	.11	.56	.83	.93	1.13	1.27	1.35	1.87	2.29	3.53	1.289	.87	.900	2.92
	74	28	.10	.36	.72	.86	1.08	1.39	1.57	1.78	2.21	2.79	9.89	1.620	1.19	1.187	2.98
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	71	27	LD	.25	.29	.33	.90	.61	.72	1.02	1.06	1.62	2.30	.739	.55	.529	2.61
	72	27	LD	LD	LD	.13	.23	.39	.95	.76	1.29	1.96	2.62	.628	.68	.280	9.53
	73	28	.19	.17	.90	.99	.65	.90	1.32	1.66	2.09	2.28	9.06	1.239	1.01	.897	2.61
	74*	16	.09	.19	.19	.32	.92	.79	.78	.78	.90	1.83	9.76	.993	1.21	.585	2.91
WYTHE CO																	
483490001A03	71	25	.09	.19	.29	.53	.62	.81	.93	1.13	1.16	1.90	2.59	.889	.63	.668	2.31
	72*	21	LD	LD	.09	.21	.29	.39	.53	.97	1.08	1.90	2.66	.659	.65	.363	3.08
	73	27	LD	.27	.50	.59	.65	.73	.99	1.36	2.09	2.17	3.10	1.118	.83	.801	2.67
	74*	16	.31	.38	.39	.96	.98	.85	.70	.96	1.29	1.35	2.87	.816	.99	.698	1.76
WASHINGTON																	
KING CO																	
490980002A03	72	30	LD	LD	.16	.21	.36	.59	.75	1.13	1.72	2.88	9.32	.929	1.02	.938	9.99
	73	26	LD	LD	.31	.55	.65	.93	1.63	1.86	2.21	2.37	3.39	1.292	1.03	.699	9.95
WISCONSIN																	
DOOR CO																	
510780001A03	72	25	LD	LD	.18	.29	.39	.64	1.10	1.72	2.31	3.31	5.08	1.305	1.96	.525	5.28
	73*	21	LD	.15	.17	.92	.97	.98	1.27	1.50	2.92	9.97	6.67	1.735	2.01	.808	9.19
WYOMING																	
GRAND TETON NA																	
520310001A03	72	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. EXCEEDS 50%									.71				
	73	30	LD	LD	LD	LD	LD	.07	.19	.16	.29	.80	.61				
YELLOWSTONE NA																	
520860001A03	71*	17	LD	LD	LD	LD	.05	.11	.19	.19	.31	.93	.78				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	72*	21	LD	NO. OF SAMPLES (18) BELOW MIN. DET. EXCEEDS 50%									.19				
	73	23	LD	LD	LD	LD	LD	.05	.08	.09	.18	.89	.80				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12903 = SULFATE
METHOD = 01 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SON

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	10.0 -- 10
71-74	> 3.0	4.3 -- 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
01073800003A01	72	29	4.9	5.3	6.6	8.2	10.8	11.5	12.2	13.2	14.6	19.0	27.1	12.19	5.8	10.96	1.60
	73	28	6.9	7.4	7.6	8.2	9.3	10.9	13.0	13.7	14.2	16.2	23.0	11.82	4.1	11.17	1.40
	74	27	7.3	7.9	9.1	9.6	11.7	14.1	14.5	16.9	20.6	27.0	47.5	14.07	9.3	14.16	1.62
GADSDEN																	
01140800014A01	72	30	3.6	5.7	7.5	8.9	9.3	10.0	11.2	12.6	12.9	14.8	29.9	11.08	4.6	10.25	1.50
	73	31	3.8	5.2	5.9	6.5	7.2	7.8	8.7	11.5	13.2	18.8	31.9	10.65	6.6	9.19	1.68
	74	29	5.2	5.2	6.7	7.6	9.0	9.6	10.6	11.3	12.6	15.7	23.6	10.39	4.2	9.61	1.47
HUNTSVILLE																	
01186000014A01	72	28	4.6	5.6	6.1	6.9	8.3	9.3	10.2	11.4	12.0	16.8	40.6	12.22	11.2	9.99	1.76
	73*	25	5.8	5.9	6.5	7.0	7.1	8.2	8.8	11.4	12.5	14.1	23.9	9.66	4.2	8.97	1.45
	74*	21	5.2	5.6	7.1	8.0	8.2	9.1	9.7	10.3	12.8	13.5	15.2	9.62	2.8	9.21	1.36
MOBILE																	
01238000014A01	72	22	3.5	4.2	4.7	6.6	8.7	9.6	11.3	12.8	16.0	17.3	26.1	10.90	5.8	9.43	1.78
	73*	22	4.1	5.3	6.9	7.2	8.7	8.9	9.7	11.1	12.6	15.9	17.5	9.97	3.6	9.36	1.44
	74*	23	6.5	6.9	7.1	7.3	7.8	9.3	10.1	10.6	11.9	14.5	19.9	10.20	3.6	9.68	1.37
MONTGOMERY																	
01246000014A01	72	30	2.9	3.3	4.5	5.0	5.9	6.2	7.0	8.0	8.9	9.9	17.5	6.89	3.2	6.23	1.58
	73*	27	2.1	3.1	4.2	4.9	5.6	6.0	6.7	7.0	7.6	8.0	16.5	6.50	3.1	5.90	1.57
	74	28	3.9	5.3	5.9	6.0	6.3	7.3	7.9	8.9	9.2	12.8	16.9	8.19	3.1	7.69	1.42
ALASKA																	
ANCHORAGE																	
02004000014A01	72	28	1.0	1.2	1.4	1.6	1.6	1.8	2.0	2.3	2.7	3.7	16.0	3.11	3.6	2.25	1.98
	73	23	.7	.8	.9	1.0	1.2	1.5	1.9	2.0	2.2	2.3	3.3	1.62	.6	1.48	1.55
	74*	16	1.0	1.0	1.1	1.2	1.6	1.9	2.1	2.2	2.6	2.9	4.7	2.07	1.0	1.87	1.59
FAIRBANKS																	
02016000014A01	72	25	1.2	1.3	1.6	1.9	2.1	2.3	2.9	3.0	3.6	3.8	5.2	2.55	1.0	2.36	1.89
	73*	19	LD	1.3	1.5	1.6	1.9	2.1	2.1	2.2	2.6	2.7	4.6	2.09	.8	1.87	1.77
ARIZONA																	
DOUGLAS																	
03024000014A01	72	25	1.8	2.7	2.9	5.2	5.9	7.3	7.5	8.9	8.7	9.8	15.9	6.80	3.2	5.98	1.72
	73*	16	1.9	3.2	3.3	5.2	5.6	6.9	6.9	7.5	8.3	9.7	20.5	7.47	5.2	6.20	1.85
	74*	23	2.0	2.9	3.3	3.6	5.2	6.0	6.7	6.8	7.8	10.5	11.1	5.95	2.6	5.36	1.62
MARICOPA CO																	
03044000014A01	72	29	1.5	2.8	2.5	3.1	3.8	4.2	4.9	5.9	8.3	9.9	19.9	5.47	3.9	4.56	1.84
PHOENIX																	
03060000214A01	71	24	1.9	1.9	2.8	2.8	3.9	4.1	4.5	5.2	7.3	9.7	10.8	5.02	2.7	4.35	1.73
	72	27	1.7	1.9	2.3	2.5	3.1	3.4	3.9	4.7	7.3	10.0	19.6	5.34	4.5	4.15	1.97
	73	27	2.8	4.1	4.3	4.8	5.0	5.4	6.1	7.2	10.3	12.5	34.5	7.70	6.2	6.49	1.72
	74	25	1.2	1.9	2.1	3.0	3.3	5.9	6.5	7.8	8.9	9.7	10.9	5.54	3.1	4.54	1.96
TUCSON																	
03086000114A01	72	26	1.6	1.8	2.6	3.5	3.8	4.8	6.3	6.4	9.5	13.2	22.1	6.61	5.3	5.06	2.07
	73	28	1.8	3.0	3.6	3.9	4.4	5.2	6.3	6.7	7.3	8.8	20.5	6.37	3.9	5.51	1.70
	74	28	1.9	2.5	2.8	3.1	3.8	5.1	5.5	6.8	8.2	11.0	17.2	6.02	3.9	5.02	1.83
ARKANSAS																	
LITTLE ROCK																	
04144000114A01	71*	24	LD	2.2	3.7	3.9	4.3	5.2	6.8	10.1	10.4	13.4	35.8	7.96	7.1	5.72	2.53
	72*	23	2.8	4.4	5.3	5.8	6.2	7.6	8.0	9.5	11.9	16.7	32.0	9.64	6.4	8.23	1.73
	74	27	.7	1.7	3.3	5.6	6.4	8.5	8.7	9.7	10.7	11.8	25.7	8.31	5.2	6.60	2.19
WEST MEMPHIS																	
04279000114A01	72*	26	LD	.9	1.0	1.2	1.4	3.0	4.0	4.5	6.2	10.0	20.0	4.63	5.0	2.70	3.00
	73*	25	LD	1.0	1.2	2.3	3.6	4.5	4.9	6.2	7.3	8.1	13.7	4.65	3.2	3.24	2.83
	74	24	4.1	4.3	4.8	8.4	9.0	9.3	10.3	12.1	12.7	14.8	28.7	10.62	4.2	10.00	1.40
CALIFORNIA																	
ANAHEIM																	
06023000114A01	72	28	1.4	3.1	4.8	5.3	7.4	9.4	11.2	13.7	15.7	17.4	43.8	11.19	8.2	8.83	2.07
	73*	25	3.1	3.3	4.1	6.3	7.1	8.7	10.5	10.6	11.6	20.4	21.8	9.48	5.4	8.12	1.78
	74	29	2.3	3.4	6.1	6.8	8.0	9.2	9.8	11.1	16.2	23.7	41.8	12.12	9.1	9.68	1.95
BERKELEY																	
06074000114A01	72	27	2.6	3.5	3.9	4.4	4.5	4.8	5.5	5.7	6.8	7.8	11.7	5.46	1.9	5.18	1.38
	73	27	LD	1.3	2.2	2.9	3.9	4.8	5.0	5.4	5.8	6.2	12.8	4.41	2.5	3.45	2.43
	74	26	1.4	2.3	3.4	4.3	4.5	4.8	5.0	5.2	5.9	6.3	7.8	4.79	1.5	4.47	1.52
BURBANK																	
06090000024A01	71	25	.8	2.3	2.5	3.4	3.7	6.4	9.4	12.8	17.1	22.1	30.0	9.67	7.9	6.50	2.59
	72	29	2.3	2.9	4.2	7.0	8.3	9.2	10.0	13.4	15.2	17.5	36.9	11.16	7.8	8.85	2.05
	73	31	3.0	4.1	5.2	7.2	9.2	11.8	14.3	17.2	23.0	29.9	55.3	14.67	11.3	11.55	2.07
	74	29	4.1	6.9	6.7	8.0	8.6	9.6	10.5	12.9	13.1	27.1	45.2	13.19	10.1	10.95	1.76

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 01 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

S O 4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
FRESNO																	
0527000002A01	72	28	1.6	2.9	4.7	5.8	3.3	3.9	4.4	5.3	6.2	8.4	17.1	4.87	3.1	4.21	1.69
	73	28	2.4	2.9	3.4	4.2	4.4	5.9	7.0	7.4	7.8	8.7	11.7	6.00	2.6	5.48	1.55
	74	29	.7	3.0	3.6	4.1	4.9	5.1	5.4	5.7	6.1	7.0	10.8	5.20	2.0	4.74	1.63
GLENDALE																	
0529900001A01	72	28	2.5	2.9	4.5	6.6	7.5	9.1	11.3	11.7	12.8	15.1	37.9	10.27	7.2	8.35	1.94
	73	30	3.0	3.7	4.2	5.9	7.3	8.4	9.6	11.0	13.5	17.8	36.0	10.46	7.8	8.47	1.89
LONG BEACH																	
0541000001A01	72	28	4.0	4.6	5.9	7.2	7.8	9.4	10.3	12.3	13.5	18.0	39.4	11.29	7.5	9.63	1.72
	73*	25	4.8	5.3	5.4	7.0	7.3	8.9	10.8	11.6	13.3	15.8	27.5	10.59	5.5	9.50	1.58
	74	26	5.4	5.8	6.4	8.1	9.2	10.4	12.6	13.6	16.7	19.6	45.3	13.69	9.1	11.57	1.74
LOS ANGELES																	
0541800001A01	71	29	1.2	3.5	4.9	5.8	6.8	7.6	8.7	13.7	15.0	21.9	29.5	10.45	6.9	8.39	2.09
	72	32	3.7	4.2	4.4	6.5	7.4	8.9	9.5	11.8	14.3	19.2	40.7	11.07	8.1	9.16	1.80
	73*	25	5.0	5.3	5.7	5.9	10.0	11.4	11.8	14.2	17.8	23.6	28.1	12.30	6.5	10.71	1.71
	74	26	1.7	2.5	5.0	6.0	6.9	9.4	12.1	14.8	22.8	24.9	50.9	13.65	11.8	9.72	2.37
OAKLAND																	
0553000001A01	72	29	2.9	3.4	4.1	4.5	4.6	5.4	6.1	6.7	7.6	8.9	11.5	5.96	2.2	5.58	1.44
	73*	29	3.6	3.7	4.7	5.1	5.9	6.4	6.5	6.7	7.1	8.0	9.8	6.17	1.5	5.98	1.29
	74	27	2.0	2.6	2.9	4.4	4.8	5.4	5.7	6.6	7.1	8.1	10.3	5.69	2.2	5.12	1.56
ONTARIO																	
0553800001A01	72	28	1.9	2.6	3.9	4.3	6.8	7.4	7.7	8.5	9.9	29.0	27.8	10.03	8.2	7.49	2.15
	73*	21	2.5	3.6	4.9	6.3	7.2	8.8	9.1	10.7	13.8	21.1	28.8	10.50	7.0	8.71	1.85
PASADENA																	
0557600001A01	72*	23	2.1	2.6	5.8	7.2	8.6	10.2	10.9	13.7	14.2	24.5	32.9	11.70	7.7	9.35	2.05
	73*	26	2.2	3.1	4.4	7.9	9.9	11.8	13.1	16.0	18.7	23.9	42.5	14.25	10.4	10.96	2.16
PASADENA																	
0557600002A01	74	29	3.6	4.4	5.3	6.6	8.0	11.0	11.2	12.9	15.2	25.0	44.9	12.89	10.2	10.23	1.93
RIVERSIDE																	
0560400001A01	72*	18	1.5	4.9	6.4	6.6	7.2	8.6	12.5	13.2	16.7	17.4	26.6	11.90	6.5	9.48	1.97
SACRAMENTO																	
0560500001A01	71	29	.8	1.3	2.2	2.2	3.1	3.2	3.6	4.5	4.9	6.3	9.5	3.69	2.0	3.12	1.88
	72	28	2.0	2.8	3.0	3.5	3.9	4.3	5.1	5.4	6.5	6.8	9.5	4.77	1.8	4.46	1.45
	73	30	.7	2.2	2.6	3.1	3.7	4.2	5.2	5.9	6.8	8.8	17.0	5.22	3.3	4.38	1.85
	74	28	LD	2.0	4.4	4.5	5.6	6.3	6.9	9.2	10.0	12.8	16.9	7.18	3.9	5.75	2.31
SAN BERNARDINO																	
0564600001A01	72	30	1.3	2.7	4.1	5.9	7.4	8.9	10.8	13.5	18.1	20.9	33.3	11.06	7.9	8.49	2.19
	73*	22	3.1	3.9	4.2	6.6	8.1	12.1	14.6	17.3	23.3	29.7	65.3	15.69	14.3	11.29	2.30
	74	24	2.6	2.6	4.1	5.9	6.8	8.9	10.6	13.7	17.3	23.6	35.8	11.88	9.2	9.02	2.15
SAN DIEGO																	
0564000001A01	72	29	2.8	3.2	4.2	5.9	6.6	7.6	8.3	8.7	10.7	12.1	43.9	8.93	7.6	7.34	1.79
	73	28	2.9	3.7	5.4	5.9	7.2	7.7	9.0	10.2	12.2	14.3	18.6	8.77	4.0	7.85	1.63
	74	28	2.7	4.4	5.4	6.0	6.5	7.5	8.3	9.1	11.5	14.2	22.9	9.05	5.1	7.93	1.67
SAN FRANCISCO																	
0568600001A01	72	30	2.3	3.2	4.0	4.2	4.6	5.0	5.1	5.5	6.7	7.9	17.2	5.58	2.7	5.19	1.48
	73	30	2.5	2.9	3.3	4.0	4.2	5.2	5.5	5.8	6.0	6.9	11.8	5.16	1.9	4.85	1.42
	74	29	2.6	3.2	3.6	4.2	4.9	5.1	5.3	5.6	6.0	6.8	9.7	5.13	1.5	4.90	1.36
SAN JOSE																	
0569800003A01	72*	25	1.8	2.1	2.3	2.9	3.0	3.5	4.1	4.4	5.2	6.9	7.1	3.84	1.5	3.56	1.49
	73*	21	1.9	1.8	2.1	2.5	2.9	3.7	4.3	4.9	4.5	5.2	10.8	3.90	2.1	3.45	1.63
SAN JOSE																	
0569800004A01	74	26	.6	1.7	2.2	3.0	3.2	3.8	4.5	4.7	6.1	6.9	7.5	4.09	1.8	3.59	1.77
SANTA ANA																	
0571900001A01	72	29	2.7	3.9	4.8	5.6	7.9	9.2	10.1	11.7	13.6	19.9	60.9	11.69	11.0	9.06	1.97
	73	25	3.2	3.9	4.9	6.3	6.7	7.7	8.2	8.8	9.1	14.9	17.5	8.02	3.6	7.31	1.66
	74	29	3.4	4.9	6.2	6.6	7.2	9.1	9.7	13.5	15.6	23.5	34.6	11.47	7.4	9.65	1.79
TORRANCE																	
0582600001A01	72	30	4.4	4.5	6.4	7.7	8.4	9.7	10.7	11.3	14.1	23.2	29.1	11.39	6.3	9.96	1.65
	73	25	3.3	4.7	5.0	6.2	7.2	8.6	10.6	13.7	15.9	21.8	33.0	11.21	7.4	9.32	1.84
	74	28	3.1	5.3	6.4	6.9	8.5	9.7	11.2	13.2	15.1	19.2	29.5	11.65	6.2	10.21	1.68
COLORADO																	
DENVER																	
0605800001A01	71*	17	2.1	2.3	2.6	3.7	5.0	5.4	5.5	6.7	6.3	7.6	8.4	5.08	1.9	4.69	1.54
	72*	24	3.0	3.6	4.1	5.1	5.3	5.5	5.8	5.9	6.7	7.0	36.3	6.65	6.1	5.70	1.57
	73*	18	4.3	5.1	5.7	6.4	6.7	7.8	8.8	9.5	9.8	10.2	17.0	8.41	3.1	7.92	1.41
CONNECTICUT																	
BRIDGEPORT																	
0700600001A01	72	30	5.3	6.1	6.8	7.4	11.0	11.5	12.5	13.4	14.7	17.1	22.7	11.69	4.5	10.78	1.49
	73	28	4.0	5.4	6.1	6.2	7.1	7.8	9.9	10.5	11.2	13.2	35.2	9.86	6.1	8.73	1.59

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 - SULFATE
METHOD = 01 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	10.0 ** 10
71-74	> 3.0	6.3 ** 10

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CONNECTICUT																	
BRIDGEPORT																	
0700600001A01	74*	24	3.1	4.2	5.3	5.8	6.9	7.2	8.5	11.3	13.1	19.2	21.1	9.66	5.2	8.96	1.68
HARTFORD																	
0704200001A01	71	23	6.2	7.0	9.0	9.4	10.5	12.0	13.8	15.7	19.2	25.6	41.7	15.17	8.8	13.30	1.65
	72	29	4.0	7.3	7.4	8.9	10.5	12.1	13.2	14.9	15.3	18.5	28.0	12.41	5.2	11.60	1.62
	73	28	4.4	6.2	7.3	7.1	7.5	8.0	9.1	11.8	12.5	13.7	24.9	9.80	4.2	9.09	1.96
	74	29	5.5	6.4	7.0	7.3	7.9	8.6	9.0	11.6	13.6	14.7	21.4	10.17	4.1	9.49	1.94
NEW HAVEN																	
0709000001A01	72	29	6.2	8.7	10.7	11.1	13.2	14.1	15.5	16.9	16.5	20.9	22.6	14.47	4.5	13.77	1.38
	73	31	3.7	5.6	6.5	7.1	7.9	9.1	9.5	11.1	12.6	16.2	25.9	10.14	4.9	9.20	1.84
	74	30	5.1	5.6	6.8	7.5	9.1	9.7	10.4	11.1	12.7	18.2	26.7	11.00	5.2	10.04	1.62
WATERBURY																	
0712900001A01	72	26	4.9	6.9	9.1	8.5	10.3	12.5	13.1	13.9	19.1	19.9	26.4	13.10	5.6	12.01	1.53
	73	29	7.0	7.2	8.2	8.8	9.9	10.8	11.0	12.0	14.0	17.1	30.4	12.31	5.9	11.35	1.46
	74	29	4.6	5.4	6.6	8.7	9.8	11.4	12.6	15.8	17.1	21.2	26.7	12.90	6.0	11.55	1.63
DELAWARE																	
NEWARK																	
0801900001A01	72*	25	6.2	7.7	7.8	8.4	9.2	9.8	10.8	11.7	13.6	15.3	27.0	11.08	4.3	10.47	1.38
	73	27	6.3	7.1	7.1	7.7	8.6	9.9	10.6	12.0	13.5	14.2	25.1	10.73	4.1	10.12	1.40
	74*	19	6.2	6.4	7.0	7.2	8.3	10.9	11.0	13.5	15.6	16.4	25.6	11.45	5.1	10.52	1.51
WILMINGTON																	
0802600003A01	72	27	6.0	7.4	8.6	10.4	11.3	12.8	13.2	14.6	16.0	17.0	20.7	12.66	3.9	12.04	1.39
	73*	17	4.6	5.4	7.1	7.6	7.9	9.4	9.5	11.4	13.2	14.2	15.1	9.80	3.2	9.27	1.41
	74	26	5.4	7.1	8.0	8.6	9.0	10.5	11.5	12.6	14.5	20.9	27.0	12.53	6.0	11.40	1.53
DISTRICT OF CO																	
WASHINGTON																	
0900200001A01	72*	22	6.0	6.4	9.0	10.4	11.2	12.7	14.5	15.4	19.0	19.8	25.4	13.83	5.2	12.86	1.49
	73*	20	2.9	5.4	7.0	7.2	7.6	9.5	11.0	12.0	12.9	17.3	22.4	10.66	4.7	9.66	1.60
FLORIDA																	
JACKSONVILLE																	
1019600002A01	72	27	1.3	2.1	2.7	6.3	6.9	8.0	10.1	11.7	13.9	15.4	22.2	9.23	5.4	7.37	2.12
	73	28	4.9	5.7	6.0	7.0	7.7	8.5	9.1	9.3	10.5	13.0	17.5	8.95	2.9	8.51	1.37
MIAMI																	
1027000002A01	71	24	LO	3.5	4.2	4.3	4.5	4.6	5.1	5.7	6.4	7.1	8.3	5.02	1.6	4.49	1.93
	72	28	2.8	3.0	3.4	4.0	4.3	5.5	5.9	6.3	6.6	8.2	13.3	5.72	2.3	5.31	1.96
	73*	24	3.8	3.8	5.5	5.9	6.0	6.2	6.3	7.0	7.3	8.1	8.5	6.28	1.3	6.13	1.26
	74	26	2.7	3.2	3.6	3.9	4.0	4.7	5.6	6.0	6.8	7.8	16.6	5.65	2.9	5.13	1.52
ST PETERSBURG																	
1039800002A01	72	27	3.6	5.9	6.0	6.4	7.3	8.2	9.6	13.7	14.6	15.4	22.9	10.37	5.0	9.30	1.60
	73*	21	3.1	5.6	5.9	6.3	6.8	7.1	7.5	8.9	9.3	9.6	12.9	7.69	2.1	7.34	1.34
	74*	15	3.5	4.9	6.3	6.6	6.8	7.2	7.8	8.6	8.7	10.3	11.5	7.56	2.0	7.28	1.34
TAMPA																	
1043600002A01	72	27	5.2	5.7	7.8	8.2	10.2	11.7	12.6	13.3	14.6	15.7	26.0	11.90	4.7	11.06	1.48
GEORGIA																	
ATLANTA																	
1102000001A01	72	30	4.3	5.3	7.1	8.1	8.2	8.6	10.4	11.0	11.5	12.2	19.0	9.46	2.9	9.04	1.36
	73	28	4.7	6.4	6.6	6.9	7.4	8.1	8.6	9.2	9.6	11.9	22.7	8.87	3.3	8.44	1.35
	74	30	4.1	5.8	6.2	6.5	7.9	8.4	9.2	10.5	11.5	12.2	21.3	9.17	3.5	8.62	1.42
COLUMBUS																	
1112800001A01	72	32	1.2	3.5	4.2	5.7	6.4	7.4	8.3	9.2	11.9	20.8	23.8	9.12	5.8	7.66	1.89
	73	38	3.1	4.6	5.2	5.5	5.8	6.1	7.0	7.1	7.6	11.2	26.1	7.42	3.9	6.78	1.99
	74*	24	2.9	4.1	5.1	5.6	6.8	7.0	7.2	9.1	10.1	12.4	14.4	7.89	3.1	7.30	1.60
SAVANNAH																	
1145000001A01	72*	24	2.4	4.8	6.6	6.9	7.9	8.5	8.8	11.9	12.6	18.9	29.4	10.77	6.6	9.25	1.74
	73*	18	4.5	5.6	7.1	8.3	8.9	9.1	11.0	12.8	13.7	16.6	26.3	11.69	5.7	10.55	1.58
HAWAII																	
HONOLULU																	
1201200001A01	72	29	4.1	4.4	4.7	5.0	5.0	5.3	5.5	5.9	6.2	7.4	8.7	5.66	1.2	5.55	1.21
	73	30	5.0	5.5	5.8	5.9	6.0	6.3	6.8	6.8	7.2	7.5	12.9	6.66	1.9	6.55	1.19
	74	29	2.3	4.7	5.1	5.5	5.8	6.0	6.1	6.4	6.6	7.4	9.0	6.02	1.3	5.86	1.28
IDAHO																	
BOISE CITY																	
1302200001A01	71*	14	.9	1.1	1.2	1.8	2.1	3.1	3.1	3.2	4.1	4.3	15.7	3.69	3.6	2.78	2.07
	72	29	1.3	1.4	1.5	1.8	2.2	2.4	2.9	2.8	3.0	4.9	6.7	2.69	1.3	2.42	1.57
	73	28	LO	1.8	2.1	2.1	2.5	3.0	3.3	3.9	4.4	4.8	11.0	3.47	2.0	2.92	1.94

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 - SULFATE
METHOD = 01 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
CHICAGO																	
141220001A01	71	25	4.2	5.5	6.6	11.6	14.6	15.9	16.6	18.2	18.7	32.3	36.9	16.15	8.6	13.92	1.79
	72	27	5.1	9.8	10.6	12.7	13.6	16.3	17.1	19.6	21.3	23.2	47.9	17.92	8.3	15.81	1.56
	73*	24	5.7	5.8	8.1	9.0	10.5	10.7	11.8	15.1	15.9	21.0	27.1	12.77	5.5	11.75	1.51
EAST ST LOUIS																	
142120004A01	72	29	4.4	6.2	8.0	8.6	9.3	11.0	12.0	12.5	14.8	16.9	33.2	12.07	5.6	10.99	1.53
	73*	21	5.8	6.7	7.0	7.9	8.3	9.3	9.9	12.0	13.9	19.1	16.1	10.19	3.1	9.69	1.36
JOLIET																	
143760001A01	71*	22	5.1	5.8	6.6	7.2	7.9	9.2	10.4	11.1	14.0	16.8	20.9	10.43	4.3	9.69	1.49
	72	26	7.9	8.7	9.4	11.0	11.9	12.8	15.3	15.8	21.9	25.1	44.3	16.00	8.5	14.41	1.55
	73*	26	4.8	6.6	7.0	7.8	8.0	9.2	12.2	13.0	13.5	19.4	22.8	10.71	4.0	10.02	1.44
MOLINE																	
145120001A01	72*	23	4.8	5.3	6.7	6.9	7.8	9.7	11.1	11.3	12.5	20.1	24.9	10.86	5.4	9.80	1.56
	73*	24	4.2	5.5	6.3	6.7	7.3	7.5	8.0	8.4	9.2	13.1	16.6	8.19	3.0	7.96	1.37
	74	25	3.9	4.9	5.1	5.6	6.8	8.2	10.2	11.7	12.8	16.6	21.6	9.76	5.0	8.66	1.63
NORTH CHICAGO																	
145420002A01	71	24	4.0	4.2	5.5	5.9	6.3	6.4	7.0	8.1	8.6	15.8	22.6	8.17	4.5	7.35	1.55
	72	30	4.5	6.0	7.0	8.7	9.3	10.6	11.4	12.4	15.2	19.8	22.7	11.43	4.9	10.48	1.52
	73*	25	4.5	5.5	5.8	6.2	6.5	6.8	7.1	8.9	9.9	16.4	18.6	8.52	3.8	7.87	1.47
PEORIA																	
146080001A01	71	26	2.8	4.0	4.6	5.5	5.8	6.5	7.7	9.0	9.6	15.3	25.5	8.35	5.0	7.25	1.68
	72	29	5.8	6.2	7.0	8.7	9.6	9.7	10.9	13.3	13.7	17.5	20.6	11.26	4.1	10.56	1.44
	73*	23	5.2	5.5	5.6	6.6	7.3	8.4	8.8	10.4	13.1	17.2	21.9	10.07	4.7	9.16	1.54
ROCKFORD																	
146A80001A01	72*	21	5.1	5.3	5.5	7.5	7.8	9.4	9.5	11.2	12.0	13.6	16.1	9.47	3.2	8.93	1.42
ROCK ISLAND																	
146700001A01	71	26	3.2	4.5	5.2	5.8	6.0	7.1	9.1	9.7	11.3	16.2	21.4	8.95	4.8	7.91	1.63
	72	27	4.6	5.0	5.8	7.1	7.8	9.2	9.7	11.3	12.5	15.4	25.8	10.23	5.0	9.26	1.55
	73*	19	4.6	4.9	5.3	5.6	6.1	6.4	6.9	8.6	9.3	10.9	17.3	7.66	3.0	7.20	1.41
	74*	21	5.1	5.1	5.7	6.3	7.4	7.9	8.3	8.3	9.6	15.3	19.9	9.13	4.4	8.36	1.50
SPRINGFIELD																	
147280001A01	71	26	5.3	5.8	6.3	6.8	7.0	7.8	8.1	9.6	10.2	11.4	44.4	9.66	7.4	8.53	1.53
	72	25	5.1	5.8	6.4	7.9	8.5	10.1	10.7	13.1	13.4	19.1	34.4	11.96	6.9	10.55	1.62
	73*	26	3.2	4.7	5.2	6.0	6.4	6.6	8.4	8.6	10.1	11.4	18.5	7.93	3.3	7.39	1.48
	74	27	2.7	5.0	5.5	5.9	7.0	8.0	9.5	11.0	17.0	21.7	27.6	10.91	6.9	9.19	1.81
INDIANA																	
EAST CHICAGO																	
151180001A01	71	26	7.2	11.9	12.7	15.2	16.4	17.3	19.2	19.8	23.4	29.1	32.8	18.97	6.7	17.85	1.43
	72	29	7.1	9.5	11.5	15.4	15.6	17.4	17.6	20.9	22.3	28.4	37.6	18.66	7.7	17.19	1.52
	73*	26	9.1	11.0	11.4	13.7	15.3	17.4	19.5	22.7	26.1	29.1	42.7	19.85	8.8	18.14	1.53
	74	28	6.7	8.9	10.0	10.7	12.9	14.2	16.0	19.3	20.6	22.6	36.5	16.19	6.9	14.91	1.50
EVANSVILLE																	
151300001A01	71	26	4.1	4.7	4.8	5.4	5.7	6.2	6.6	7.2	8.4	9.5	33.1	7.56	5.5	6.72	1.52
	72	29	3.2	7.1	8.5	9.0	9.7	10.4	10.8	12.2	16.6	18.2	36.6	12.23	6.2	11.09	1.57
	73*	24	5.1	5.2	5.3	6.3	7.5	8.3	9.7	10.2	11.0	11.8	19.3	9.10	3.4	8.55	1.42
	74*	24	5.2	6.1	7.7	7.8	8.0	8.1	9.4	11.7	14.0	18.5	21.8	10.82	4.7	10.00	1.48
FORT WAYNE																	
151380002A01	72	30	6.0	6.9	7.5	9.8	11.4	12.4	13.4	14.1	14.5	15.8	29.5	12.68	5.2	11.80	1.45
	73*	26	5.8	6.7	6.9	8.0	8.1	8.9	9.5	9.9	11.2	18.7	25.3	10.76	5.3	9.86	1.48
GARY																	
151520001A01	71*	19	1.4	4.6	6.0	7.0	9.5	10.0	12.0	12.5	13.6	15.7	62.0	12.80	12.7	9.77	2.09
	72	26	8.4	11.0	11.8	13.6	15.0	15.6	16.8	17.2	19.0	28.0	44.1	17.85	7.9	16.54	1.46
	73*	22	5.5	6.1	7.5	8.0	8.6	8.7	8.8	12.2	14.0	15.2	38.9	11.20	6.7	10.10	1.52
	74	25	6.8	8.3	8.5	9.5	10.3	10.5	12.2	13.0	13.7	17.5	29.0	12.38	5.3	11.56	1.42
HAMMOND																	
151780001A01	71	24	5.8	5.9	6.3	7.2	8.7	10.0	11.0	13.1	16.3	22.9	31.5	12.43	7.0	10.92	1.65
	72	29	6.3	9.2	10.2	11.7	12.9	14.0	15.7	16.2	20.0	33.3	73.0	19.05	14.4	15.88	1.75
	73*	19	5.5	5.7	7.8	8.0	9.3	9.5	9.8	9.9	12.5	15.0	19.2	10.22	3.6	9.68	1.39
HAMMOND																	
151780002A01	74	27	6.5	6.8	7.4	8.3	9.5	10.7	11.3	11.9	14.0	21.4	31.8	12.65	6.7	11.37	1.56
INDIANAPOLIS																	
152040001A01	71	25	4.2	7.3	8.1	8.6	8.9	9.5	10.0	10.6	13.2	15.2	21.9	10.50	3.7	9.92	1.40
	72*	25	4.6	8.6	8.9	9.9	11.3	13.0	14.2	16.0	16.7	20.4	33.0	14.02	6.3	12.79	1.55
	73*	23	6.3	6.9	8.0	9.1	9.9	10.2	10.9	13.0	14.8	17.8	20.3	11.57	3.9	10.97	1.39
NEW ALBANY																	
152980002A01	72*	26	2.4	6.2	8.1	9.9	10.6	12.6	13.6	16.7	22.3	22.9	57.4	16.54	13.0	13.00	2.03
	73*	22	5.1	5.3	6.6	9.4	10.9	12.6	13.9	14.7	19.1	21.2	36.2	13.58	7.2	11.96	1.68
SOUTH BEND																	
153480002A01	71*	24	5.2	5.8	6.3	7.7	8.3	8.4	9.7	10.5	12.5	16.1	27.0	10.41	4.9	9.55	1.49
	72*	25	4.6	6.6	7.7	9.0	9.2	10.4	12.1	13.3	14.5	17.5	25.1	11.88	5.0	10.95	1.50

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	73*	26	5.2	5.4	7.6	7.9	8.3	8.9	9.7	10.1	14.8	16.1	21.8	10.38	4.3	9.63	1.47
	74	30	4.0	5.0	6.7	7.5	9.2	10.4	11.4	13.5	14.1	16.6	35.1	11.43	6.0	10.20	1.61
TERRE HAUTE																	
154080001A01	71*	17	4.6	5.2	5.3	7.6	8.3	8.6	9.4	10.0	11.9	17.8	34.8	10.83	7.2	9.38	1.67
	72	26	4.1	6.6	7.2	8.5	9.4	10.3	11.6	13.0	15.0	17.1	30.2	11.68	5.3	10.70	1.52
	74*	20	5.6	6.9	8.4	8.6	9.1	10.8	12.1	13.3	18.5	22.5	25.1	13.07	6.1	11.87	1.56
IOWA																	
CEDAR RAPIDS																	
160490001A01	71*	22	3.3	3.4	3.8	4.7	5.0	5.1	5.6	6.2	7.6	7.9	11.6	5.77	1.9	5.49	1.37
	72	30	3.4	3.6	5.7	6.4	6.9	7.6	8.4	9.8	11.0	14.0	17.4	8.44	3.6	7.73	1.54
	73	26	2.7	4.1	4.6	4.6	5.1	5.4	6.0	6.3	6.6	9.8	12.5	6.08	2.2	5.73	1.40
	74	23	LO	3.6	4.4	5.2	6.1	6.6	7.3	7.8	9.4	10.4	16.0	7.22	3.4	6.09	2.21
DAVENPORT																	
161060001A01	71*	22	3.7	4.3	6.5	8.6	9.9	12.4	12.7	16.3	19.1	25.1	34.3	13.70	8.0	11.53	1.86
	72	27	2.4	5.2	6.9	9.4	10.7	13.6	13.8	17.1	17.9	19.4	29.2	13.31	6.1	11.76	1.73
	73	28	2.9	4.3	4.8	5.0	6.0	7.1	8.1	9.7	11.6	12.4	23.1	8.62	4.8	7.56	1.66
	74	28	2.8	3.5	4.3	4.8	5.2	7.9	9.1	10.4	12.3	17.8	51.0	10.27	9.6	7.91	1.98
DES MOINES																	
161180001A01	71	26	2.6	3.3	3.6	3.9	4.1	4.9	5.6	6.6	8.9	13.0	25.0	6.86	5.0	5.76	1.75
	72	28	3.1	3.5	4.2	4.4	5.6	6.5	7.1	7.7	7.9	11.0	15.9	7.16	3.6	6.44	1.58
	73	27	2.5	2.8	3.6	4.9	5.0	5.4	5.8	6.3	7.3	8.4	13.1	5.83	2.2	5.44	1.46
	74	28	2.7	2.8	3.7	3.9	5.1	5.6	6.0	7.1	7.7	12.5	18.9	6.83	4.2	5.91	1.69
DUBUQUE																	
161260001A01	72*	23	3.1	3.6	5.6	6.1	7.4	11.1	11.4	12.2	12.9	14.4	25.2	10.11	5.0	8.94	1.68
	73*	22	3.3	3.7	4.5	5.5	5.7	6.1	6.6	8.0	9.5	11.6	14.9	7.29	3.1	6.74	1.49
DUBUQUE																	
161260002A01	72*	23	2.4	3.3	4.6	5.8	6.4	7.2	9.4	10.9	11.2	14.9	22.2	8.87	4.6	7.76	1.71
	74	27	3.7	4.2	4.5	5.3	5.9	6.2	7.0	7.6	9.0	10.0	16.6	7.06	2.9	6.60	1.43
DUBUQUE																	
161260008A01	74	27	3.6	4.2	4.6	5.0	5.5	6.2	6.7	8.7	10.6	14.0	26.2	8.09	4.9	7.07	1.64
WATERLOO																	
163760009A01	71*	16	2.6	2.8	3.4	4.3	4.6	5.2	5.9	6.4	8.0	8.3	10.3	5.75	2.2	5.33	1.50
	72*	18	3.6	5.0	6.3	6.5	7.1	7.7	8.3	9.0	9.7	11.5	13.9	8.20	2.6	7.78	1.40
	73*	18	4.0	4.2	5.2	5.6	6.0	6.2	6.5	6.6	6.7	7.7	9.6	6.28	1.4	6.13	1.25
	74	28	2.0	2.4	3.6	3.8	4.3	5.3	6.1	7.1	7.3	8.8	9.7	5.61	2.2	5.15	1.54
KANSAS																	
KANSAS CITY																	
171800002A01	71	27	2.8	3.7	4.0	4.5	4.8	5.1	5.3	5.9	7.8	10.2	21.3	6.29	3.7	5.63	1.55
	72	29	3.4	3.6	5.0	5.6	7.9	8.5	9.5	10.1	11.0	13.0	22.8	9.12	4.6	8.16	1.61
	73	27	2.4	4.1	4.6	5.4	6.3	7.0	7.5	7.9	9.0	13.6	17.3	7.73	3.7	6.94	1.60
	74	28	2.3	2.9	3.5	3.8	5.4	6.6	7.1	8.1	9.0	10.1	16.8	6.72	3.3	5.95	1.67
KANSAS CITY																	
171800012A01	74*	26	2.4	3.8	4.6	5.8	5.9	6.8	7.3	8.3	10.0	13.2	16.5	7.65	3.5	6.88	1.61
TOPEKA																	
173560001A01	71	26	2.4	2.7	3.6	4.2	4.6	4.9	6.2	7.2	11.8	15.2	17.9	7.55	5.0	6.21	1.87
	72	27	1.1	1.6	2.2	3.2	3.9	5.0	5.7	8.5	9.4	13.5	23.8	6.69	5.3	5.02	2.19
	73*	24	1.8	2.0	2.4	3.5	3.7	4.6	5.8	6.4	6.6	8.0	11.4	5.02	2.4	4.47	1.65
	74	27	.7	1.9	2.0	2.3	2.6	3.5	4.1	5.1	6.5	7.3	10.0	4.16	2.3	3.51	1.85
WICHITA																	
173740001A01	71	25	2.6	2.8	3.1	3.2	3.6	4.0	4.2	5.1	6.1	7.5	11.4	4.78	2.3	4.37	1.51
	72*	24	1.2	1.8	2.8	2.9	3.9	4.8	5.1	5.9	6.4	9.4	14.9	5.19	3.0	4.40	1.82
	73	28	1.6	2.7	3.0	3.2	4.1	4.8	5.8	6.7	6.8	7.5	8.0	5.07	2.0	4.63	1.57
	74	27	2.5	2.8	2.9	3.3	3.5	3.9	4.1	5.0	5.7	6.5	10.1	4.52	1.9	4.19	1.46
KENTUCKY																	
ASHLAND																	
180080002A01	71	24	5.4	5.5	7.8	9.4	10.7	12.7	14.3	24.4	26.9	31.5	55.9	17.50	12.2	14.25	1.90
	72	29	5.4	10.5	11.4	15.8	16.8	21.9	22.8	27.6	32.7	36.7	68.1	24.03	14.0	20.51	1.78
	73*	26	7.0	7.7	8.4	10.8	12.2	13.6	15.6	15.8	18.2	20.2	33.9	14.59	6.0	13.51	1.48
	74	30	6.5	7.5	8.8	10.1	12.2	14.0	15.7	17.0	22.8	25.2	42.7	15.95	8.0	14.30	1.59
BOWLING GREEN																	
180320001A01	71	26	3.3	4.5	4.7	5.8	6.2	6.6	7.8	8.8	10.3	11.4	29.8	8.62	5.7	7.52	1.63
	72	23	5.1	6.0	7.0	8.1	9.3	13.2	14.8	17.3	23.2	25.7	75.9	16.67	14.7	13.20	1.91
	73*	22	3.6	3.9	6.2	6.4	7.0	7.7	8.8	8.9	10.9	14.1	45.5	10.29	8.6	8.63	1.70
	74	25	5.6	6.0	7.4	8.6	9.0	12.0	13.2	14.5	14.7	21.6	24.7	12.32	5.3	11.31	1.52
COVINGTON																	
180800001A01	71	25	4.1	4.6	5.4	5.9	6.4	8.2	8.5	8.8	11.4	18.2	24.4	9.19	5.1	8.13	1.62
	72	28	5.6	6.6	8.2	8.6	9.2	9.6	10.2	10.8	12.8	15.1	36.6	11.21	5.7	10.35	1.44

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 - SULFATE
METHOD = 91 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KENTUCKY																	
COVINGTON																	
180800001A01	74	27	5.0	5.6	6.7	8.3	9.1	10.1	11.0	14.9	18.9	22.1	28.0	12.52	6.7	11.02	1.66
LEXINGTON																	
182300001A01	71	25	3.1	3.9	4.1	5.3	6.2	7.9	9.7	11.1	12.5	15.9	29.0	9.21	5.9	7.89	1.79
	72	25	3.8	5.2	6.5	9.2	10.2	11.9	13.1	15.3	16.7	20.5	61.4	15.92	13.8	12.11	1.93
LOUISVILLE																	
182380002A01	74.	25	6.4	8.0	8.7	9.9	11.1	12.5	14.5	17.9	19.2	26.4	27.3	14.56	6.3	13.33	1.53
LOUISVILLE																	
182380003A01	71	24	6.0	6.1	8.3	8.9	9.8	11.7	12.1	13.2	14.0	17.7	37.1	12.33	6.1	11.36	1.47
	73.	19	7.2	7.5	8.7	9.6	11.1	12.7	13.2	13.8	16.6	20.9	22.8	13.21	4.8	12.93	1.42
LOUISIANA																	
BATON ROUGE																	
190280001A01	71	24	2.1	2.5	5.9	6.2	6.6	6.9	7.3	8.6	9.5	12.5	15.2	7.77	3.1	7.11	1.57
	72	27	2.9	4.9	5.5	6.2	7.4	8.9	9.5	11.1	12.1	15.1	32.0	10.39	6.7	8.89	1.73
	73.	21	5.2	6.1	7.1	7.8	8.9	9.7	11.6	12.0	12.7	13.7	18.1	10.30	3.9	9.78	1.39
	74	30	3.2	4.3	5.0	6.8	7.1	7.4	8.3	9.1	12.2	12.9	19.7	8.59	3.7	7.89	1.52
NEW ORLEANS																	
192020002A01	71	26	3.4	3.5	5.2	6.0	6.5	6.6	6.8	6.9	8.5	11.3	14.3	7.26	2.9	6.74	1.47
	72	29	4.0	6.0	6.4	6.9	7.2	8.5	9.1	10.7	12.0	15.4	16.9	9.48	3.6	8.86	1.45
	73.	20	3.9	4.6	4.8	6.3	6.4	6.5	6.7	7.1	8.7	9.7	28.1	7.95	5.1	7.12	1.62
	74.	25	5.3	6.5	7.0	9.6	10.1	10.7	11.2	12.2	13.1	19.6	24.5	11.75	5.0	10.88	1.49
SHREVEPORT																	
192740001A01	71	21	3.1	3.2	3.5	3.9	4.5	5.5	6.3	8.5	10.4	12.9	35.0	8.10	7.1	6.45	1.88
	72	26	5.1	5.6	6.1	6.4	7.0	7.6	8.2	9.2	13.5	15.8	19.7	9.53	4.3	8.75	1.50
	73.	24	2.3	2.7	4.0	4.6	4.7	5.3	6.1	6.3	6.6	15.2	19.4	6.91	4.6	5.83	1.75
	74	28	3.1	3.8	4.4	4.8	5.0	6.1	6.7	8.5	9.1	12.9	15.9	7.39	3.7	6.61	1.59
MAINE																	
PORTLAND																	
200960002A01	71	24	.8	3.2	4.6	9.0	9.9	10.9	12.9	14.8	15.7	29.3	57.2	13.86	11.7	10.32	2.33
	72.	22	6.8	7.6	8.4	11.5	12.6	13.3	15.1	18.4	26.2	29.3	63.1	18.60	13.8	15.97	1.78
	74.	20	5.9	6.7	7.2	7.9	8.5	9.8	10.2	11.5	12.1	13.6	17.1	10.10	2.9	9.71	1.33
MARYLAND																	
BALTIMORE																	
210120001A01	71.	24	4.0	5.5	6.7	7.6	8.4	8.7	9.2	10.6	13.3	17.9	49.1	11.55	8.9	9.83	1.68
	72	24	6.4	8.5	9.8	12.5	13.5	14.3	17.4	18.9	20.0	22.9	40.3	16.52	7.5	15.07	1.54
	73	32	6.0	7.1	7.6	9.7	10.0	12.2	12.5	13.4	14.8	17.6	30.4	12.71	5.8	11.69	1.49
	74	24	3.7	6.0	6.1	7.0	9.3	9.6	10.5	13.9	15.3	17.4	28.5	11.43	5.5	10.26	1.61
MASSACHUSETTS																	
BOSTON																	
220290001A01	72.	19	6.2	7.3	8.4	10.8	12.3	13.3	13.4	14.3	15.5	24.6	30.6	14.14	6.3	12.98	1.52
CAMBRIDGE																	
220360001A01	71	21	3.1	5.5	7.5	9.5	9.8	12.8	13.5	16.3	19.7	21.6	30.7	13.89	7.2	12.11	1.74
FALL RIVER																	
220580002A01	71	23	4.3	5.8	7.1	9.0	9.6	11.4	12.6	13.5	15.5	20.5	25.8	12.34	5.5	11.23	1.56
SPRINGFIELD																	
222140002A01	71.	17	3.4	3.5	3.7	6.3	7.1	9.3	9.7	11.7	15.2	17.2	26.2	10.39	6.2	8.81	1.82
	72.	24	4.0	5.1	7.0	8.1	10.4	10.6	13.1	15.4	17.8	21.9	25.5	12.74	5.8	11.47	1.62
	74.	35	4.1	5.5	6.1	6.7	7.0	8.0	9.5	10.8	11.4	14.1	19.8	9.21	3.7	8.55	1.47
WORCHESTER																	
222690001A01	71	25	3.7	7.1	7.7	9.1	9.7	10.8	11.7	15.2	19.1	23.8	30.5	13.18	6.6	11.79	1.63
	72	27	4.5	7.6	8.2	9.5	11.2	11.8	13.2	15.8	16.5	19.7	25.7	13.17	5.3	12.18	1.50
	73.	25	2.4	5.9	6.7	7.1	9.0	10.1	10.7	13.2	14.5	14.8	16.1	10.17	3.7	9.39	1.55
	74.	29	4.1	5.1	6.3	7.1	7.4	8.3	8.5	10.0	11.4	14.7	22.6	9.47	4.3	8.67	1.51
MICHIGAN																	
DEARBORN																	
231140001A01	72	27	5.4	8.8	10.0	10.8	13.0	15.1	15.8	17.2	21.1	27.0	31.7	15.99	6.9	14.65	1.53
	73.	23	5.2	5.3	7.0	7.9	8.9	9.7	9.8	11.9	15.9	17.7	29.7	11.21	5.7	10.13	1.55
	74	26	4.8	5.0	6.2	6.7	7.1	9.6	14.7	15.3	17.8	21.3	40.0	12.78	8.1	10.82	1.78
DETROIT																	
231180001A01	71	22	5.2	5.3	7.4	8.5	9.9	10.1	10.2	11.0	12.2	17.5	23.1	11.29	4.7	10.43	1.47
	72	29	4.7	8.0	9.8	10.9	14.1	14.9	17.1	21.9	25.6	29.7	40.8	17.70	9.1	15.50	1.70
	73.	26	4.8	6.1	7.4	8.1	9.2	9.9	13.6	13.7	14.9	18.9	29.2	12.73	6.7	11.34	1.61
FLINT																	
231560001A01	71	23	3.2	3.9	4.6	4.7	5.0	5.7	6.9	7.0	8.5	9.8	16.9	6.69	2.9	6.20	1.47
	72	29	4.6	6.0	7.7	8.3	10.2	10.9	11.7	12.6	15.8	17.2	27.2	11.67	5.0	10.71	1.52
	73.	26	3.7	5.8	6.3	7.8	8.2	9.0	9.9	11.3	12.2	28.7	40.1	12.62	9.6	10.36	1.80

. INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12903 - SULFATE
METHOD = 91 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	10.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
GRAND RAPIDS																	
261620001A01	71	29	5.8	6.7	7.8	8.3	9.0	9.3	9.5	11.0	11.1	22.6	28.7	11.30	5.8	10.31	1.49
	72	29	4.7	5.6	6.8	8.0	10.5	12.0	12.9	14.2	16.2	19.4	23.7	12.23	5.2	11.19	1.56
	73*	23	4.7	5.4	6.5	8.2	8.5	10.4	10.5	11.6	14.7	20.3	22.0	11.05	5.1	10.01	1.56
LANSING																	
232890001A01	71	23	3.8	4.3	4.7	6.2	6.4	7.4	7.6	8.5	10.6	20.5	47.5	10.45	9.5	8.39	1.84
	72	28	4.2	5.3	6.6	7.9	8.8	9.0	10.4	11.9	13.3	19.1	19.6	10.09	3.5	9.43	1.49
	73*	26	2.2	4.1	4.8	6.7	7.0	7.3	7.8	9.8	11.8	19.0	25.7	8.99	5.0	7.89	1.68
	74*	21	5.3	5.4	7.3	8.0	8.4	9.9	10.9	12.4	18.0	22.2	57.4	14.40	12.8	11.43	1.86
SAGINAW																	
237760001A01	71	28	3.7	4.5	5.9	6.0	6.9	7.3	7.6	8.7	9.0	10.2	26.4	8.46	4.9	7.60	1.84
	72*	26	4.3	7.1	7.4	8.1	8.5	10.3	12.1	12.4	14.2	18.1	29.8	11.47	4.7	10.60	1.49
	73*	27	3.4	4.7	5.1	6.1	6.4	6.9	7.0	7.6	9.5	12.0	27.8	8.41	5.2	7.49	1.89
	74	29	4.5	4.9	5.6	6.0	6.6	6.8	7.3	7.5	8.0	13.4	29.5	8.12	4.2	7.48	1.48
TRENTON																	
235120001A01	71	26	4.6	5.5	5.8	6.6	7.2	8.2	9.4	9.5	10.7	10.9	28.3	9.93	6.3	8.71	1.60
	72	28	4.1	7.0	7.8	8.3	9.6	11.3	12.2	17.0	19.5	21.6	28.6	13.37	6.6	11.88	1.69
	73*	23	4.2	4.2	5.8	6.7	6.9	7.5	7.7	8.3	10.9	20.4	28.9	10.19	6.9	8.69	1.70
MINNESOTA																	
DULUTH																	
241040001A01	71	26	1.9	3.4	3.5	4.1	4.2	5.0	5.8	6.9	7.5	8.3	19.4	6.00	3.4	5.33	1.61
	72	29	3.3	4.7	5.4	6.1	6.6	7.1	8.5	9.0	11.4	13.0	17.4	7.39	2.4	6.98	1.37
	73*	24	2.6	3.1	3.9	4.3	4.9	5.5	6.6	6.9	7.4	8.5	11.8	5.92	2.2	5.53	1.46
	74	29	3.1	3.8	4.1	4.9	5.4	5.6	6.2	6.8	7.2	7.9	11.4	6.03	1.9	5.75	1.36
MINNEAPOLIS																	
242260001A01	71	24	2.4	2.8	3.2	3.6	4.6	5.8	6.6	7.2	9.0	10.5	18.7	6.59	3.8	5.72	1.71
	72	26	2.8	3.8	4.2	5.3	5.7	6.3	7.8	8.6	10.0	10.4	17.1	7.46	3.3	6.78	1.86
	73*	18	.8	1.9	3.7	3.9	4.0	4.3	7.3	8.0	8.1	8.3	10.7	5.64	2.7	4.83	1.91
MOORHEAD																	
242320001A01	71*	19	1.9	2.3	2.4	2.7	3.1	3.8	3.8	4.4	7.0	7.9	22.8	5.15	4.7	4.13	1.84
	72*	20	2.7	2.9	3.6	4.7	5.4	5.6	6.0	6.6	8.0	10.6	16.4	6.42	3.2	5.78	1.68
ST PAUL																	
243300001A01	71*	23	2.2	2.4	2.5	2.5	3.2	4.0	5.8	5.9	7.7	11.8	14.7	5.70	3.8	4.69	1.86
	72	29	4.5	6.1	6.9	7.8	8.1	9.3	9.5	10.3	12.4	15.4	21.3	10.01	4.1	9.32	1.48
	73*	23	2.9	3.0	3.8	4.2	4.5	5.7	6.2	6.5	6.8	8.3	10.5	5.71	2.1	5.38	1.44
	74	28	2.8	4.0	5.1	5.3	6.2	6.8	8.0	9.3	10.0	11.0	17.5	7.77	3.4	7.07	1.55
MISSISSIPPI																	
JACKSON																	
251240002A01	73	29	3.7	4.2	4.5	5.6	6.0	6.5	6.6	7.5	8.8	11.7	14.0	7.40	3.2	6.83	1.48
	74	30	3.8	4.6	5.3	6.0	6.5	7.0	7.7	9.0	9.3	15.0	18.3	8.33	3.8	7.62	1.51
MISSOURI																	
KANSAS CITY																	
262380002A01	73	30	3.2	4.1	5.3	6.5	6.8	6.9	7.7	8.5	9.5	13.9	26.8	8.51	5.0	7.56	1.59
	74*	24	3.1	3.5	3.8	4.4	4.9	5.3	6.3	9.8	10.2	11.9	27.0	7.62	5.1	6.43	1.71
ST LOUIS																	
269280001A01	71	23	3.3	4.9	5.3	5.6	6.6	9.4	10.1	11.9	15.4	19.5	56.7	12.20	11.0	9.66	1.90
	72	27	5.2	9.4	9.5	10.7	13.8	16.2	18.6	19.6	23.1	23.2	28.6	16.27	6.2	15.01	1.53
	73	28	6.1	6.3	7.7	8.8	10.2	11.5	13.0	15.9	16.8	17.9	22.2	12.36	4.5	11.52	1.47
	74	27	6.2	6.8	8.0	10.7	12.7	13.4	14.1	15.0	16.9	18.3	32.3	14.02	6.1	12.92	1.50
MONTANA																	
HELENA																	
270720001A01	71	22	1.7	2.1	2.4	3.0	3.9	3.4	4.2	4.4	4.7	6.5	7.6	3.96	1.6	3.68	1.48
NEBRASKA																	
LINCOLN																	
281540002A01	71	25	1.6	2.1	2.3	2.8	2.9	3.3	3.6	5.6	5.9	7.8	15.9	4.57	3.1	3.89	1.76
	72	28	2.8	2.9	3.6	3.8	4.2	5.1	5.8	6.4	6.9	8.4	15.9	5.97	3.1	5.35	1.58
	73	31	1.9	2.2	3.0	3.5	3.8	4.5	5.2	6.8	7.2	8.7	11.5	5.22	2.5	4.67	1.62
	74	30	2.0	2.2	2.8	3.0	3.7	3.9	4.3	5.4	7.3	8.3	27.4	5.34	4.6	4.43	1.74
OMAHA																	
281880001A01	71	25	2.5	2.8	3.1	3.5	3.9	4.5	5.0	5.7	6.4	11.1	13.1	5.30	2.8	4.75	1.67
	72	29	3.6	4.6	5.4	5.5	6.1	6.5	7.5	9.4	11.1	14.7	31.4	8.85	5.7	7.70	1.64
	73	31	2.2	2.6	4.4	5.6	5.8	7.1	7.7	9.0	10.2	10.9	21.4	7.53	3.8	6.69	1.66
	74	30	2.0	3.0	3.3	3.8	5.0	5.1	5.5	6.6	9.2	10.5	15.9	6.14	3.2	5.45	1.64
NEVADA																	
LAS VEGAS																	
290320001A01	71*	21	2.0	2.8	3.0	3.5	3.6	4.0	4.5	4.8	5.6	6.1	35.8	5.69	6.9	4.46	1.75

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 - SULFATE

INORGANICS

POLLUTANT = 12403 - SULFATE
INORGANICS
METHOD = 91 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

SES

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEVADA																	
RENO																	
290480001A01	71*	23	1.1	1.9	1.6	1.9	2.1	2.2	2.3	2.3	2.4	2.6	3.4	2.14	.6	2.08	1.28
	72	29	1.4	1.7	2.0	2.3	2.6	2.9	3.0	3.3	3.5	4.1	14.4	3.26	2.3	2.89	1.54
	73	27	1.5	1.9	2.0	2.2	2.4	2.8	2.8	3.2	3.9	4.1	7.0	2.93	1.1	2.76	1.41
	74	27	1.2	1.6	1.8	2.4	2.8	3.1	3.2	3.7	4.7	5.4	14.6	3.65	2.5	3.12	1.70
NEW HAMPSHIRE																	
CONCORD																	
300120001A01	71	26	2.2	4.5	4.7	5.8	6.0	6.5	7.9	9.8	10.3	10.8	23.3	8.31	4.7	7.32	1.65
	72	28	5.4	5.6	6.3	6.8	7.3	8.2	9.6	10.7	11.3	13.2	25.7	9.62	4.3	8.93	1.45
	74	23	4.6	5.0	5.4	5.9	6.6	7.9	8.0	8.4	9.1	18.4	26.5	9.42	5.8	8.27	1.62
NEW JERSEY																	
BAYONNE																	
310180001A01	72*	24	7.3	7.5	8.7	9.2	10.9	13.1	15.9	18.5	20.8	23.3	29.3	15.06	6.4	13.79	1.54
	74*	22	4.7	6.7	6.8	7.3	8.1	8.4	9.1	10.8	14.7	20.9	21.9	10.97	5.2	9.97	1.54
BURLINGTON CO																	
310660002A01	71	25	4.1	6.8	7.0	8.5	9.6	10.1	10.9	11.9	14.0	15.0	18.5	10.54	3.4	9.97	1.41
CAMDEN																	
310720001A01	72*	19	6.0	9.7	11.2	12.4	15.3	17.1	17.5	20.3	23.3	27.5	46.2	19.18	10.9	17.00	1.64
	73*	18	LO	7.1	8.4	8.5	9.2	10.0	11.2	13.7	15.7	23.6	30.1	12.61	7.2	9.79	2.74
	74*	16	6.6	7.7	8.8	8.9	9.3	11.3	12.4	15.1	18.1	20.0	26.6	13.22	5.6	12.23	1.49
CAMDEN CO																	
310790002A01	72*	19	3.1	4.4	4.8	8.3	9.9	10.7	11.8	13.7	15.6	17.9	24.6	11.83	6.1	10.26	1.78
	73*	19	5.1	5.8	6.7	8.6	10.5	11.7	12.2	12.9	14.1	15.1	39.3	12.43	7.4	11.01	1.61
ELIZABETH																	
311300002A01	71	24	5.9	6.7	8.6	9.6	13.2	13.9	16.4	19.1	19.5	22.1	24.8	14.97	5.7	13.78	1.54
	72*	26	3.0	7.8	9.6	11.0	12.4	14.4	16.4	17.0	22.0	22.3	47.3	16.26	8.8	14.26	1.71
	74	26	4.3	6.2	7.0	7.6	9.0	13.4	15.9	16.9	20.2	27.3	28.8	14.39	7.8	12.31	1.78
GLASSBORO																	
311720001A01	71*	19	3.0	5.3	7.3	7.8	8.8	9.1	9.5	10.8	13.2	14.6	18.0	9.93	3.7	9.21	1.61
	72	29	3.6	5.5	8.2	8.8	9.4	10.2	11.9	13.4	15.5	17.9	23.6	11.89	5.1	10.79	1.57
	73*	24	5.2	5.6	6.2	7.3	8.4	8.5	9.4	11.5	12.7	15.9	29.2	10.33	5.1	9.44	1.61
	74	27	1.8	3.3	5.3	6.0	6.5	7.7	8.0	9.3	10.6	12.9	23.2	8.49	4.7	7.34	1.76
JERSEY CITY																	
312320001A01	71	24	8.9	9.6	10.1	10.5	11.2	14.1	14.8	19.0	19.7	29.5	30.1	15.95	6.5	14.81	1.47
	72	29	4.6	6.9	7.4	8.3	9.4	12.1	12.8	15.5	20.7	20.8	28.8	13.48	6.5	12.05	1.62
	73	30	LO	5.4	7.1	7.9	9.4	9.8	11.2	14.0	17.8	23.2	28.4	12.09	6.9	9.26	2.65
	74*	19	6.7	7.0	7.3	7.7	8.4	13.1	13.9	16.7	16.9	19.8	21.6	12.67	5.3	11.61	1.54
NEWARK																	
313480001A01	71*	22	7.5	7.5	8.1	9.6	10.9	13.9	14.2	18.2	19.9	23.1	40.6	15.36	7.7	13.84	1.57
	72	28	3.8	5.3	6.9	7.2	8.5	8.9	10.0	12.5	15.0	17.2	32.4	11.44	6.8	10.00	1.66
314140001A01	74*	21	6.2	6.5	6.6	6.8	8.1	9.5	10.4	11.6	13.7	15.2	16.0	10.11	3.4	9.57	1.40
PERTH AMBOY																	
314220001A01	71	25	5.9	7.6	9.1	12.5	13.4	13.8	14.7	16.1	18.9	26.7	34.6	15.17	6.8	13.82	1.55
	72	25	6.9	8.5	9.3	10.5	12.5	12.7	14.1	14.0	16.8	18.4	27.9	13.82	5.0	13.03	1.41
TRENTON																	
315400001A01	71*	16	5.7	8.7	8.8	13.2	15.0	15.2	15.5	15.7	17.5	18.3	27.6	15.11	5.1	14.23	1.45
	72	28	8.1	8.9	9.1	9.9	13.2	13.7	14.2	14.1	20.9	22.5	32.5	15.12	6.1	14.06	1.46
	74	25	5.7	7.7	8.7	9.0	11.8	13.0	14.4	16.7	19.2	22.6	47.1	14.94	8.3	13.35	1.59
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	71	23	2.0	2.0	2.4	2.5	2.8	2.8	3.1	3.3	3.8	4.9	7.6	3.32	1.2	3.13	1.39
	72	24	2.2	2.3	2.8	3.1	3.2	3.4	3.9	4.9	5.4	6.5	9.9	4.26	1.8	3.94	1.48
	73*	26	1.3	2.0	2.3	2.6	2.8	2.9	3.1	3.3	3.5	3.8	9.1	3.18	1.4	2.98	1.41
	74	26	1.3	2.3	2.3	2.9	3.2	3.5	4.0	4.0	4.2	5.2	5.9	3.61	1.1	3.41	1.42
NEW YORK																	
ALBANY																	
330090001A01	71*	23	5.6	6.0	7.0	9.9	10.4	13.1	13.5	14.1	16.4	23.0	33.1	13.65	6.5	12.36	1.57
	72	29	5.6	6.2	8.6	9.8	10.6	13.8	15.1	22.4	25.7	32.8	36.8	17.06	9.4	14.72	1.75
	74	23	6.3	6.5	8.6	9.0	9.2	12.6	13.4	14.1	16.0	25.9	28.1	13.57	6.1	12.41	1.62
NEW YORK CITY																	
339480001A01	71*	19	7.7	8.0	10.0	12.8	13.4	14.7	16.9	18.9	23.1	27.5	35.4	17.18	7.6	15.58	1.57
	72	29	7.2	9.2	9.5	9.8	11.9	12.7	13.0	16.7	22.3	26.1	39.1	16.05	7.8	14.47	1.57
	73	28	8.9	9.5	10.3	11.1	12.3	14.1	16.4	18.8	19.9	22.4	37.3	15.77	6.2	14.77	1.43
	74	26	7.1	8.7	9.0	10.0	10.6	11.9	15.4	17.8	20.2	25.3	36.3	15.30	7.3	13.86	1.55
NIAGARA FALLS																	
339790001A01	71	26	6.5	7.5	8.2	9.1	11.0	11.7	12.6	13.5	17.5	17.9	18.4	12.33	3.8	11.75	1.37

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW YORK																	
NIAGARA FALLS																	
3329790001A01	72	29	5.9	7.3	10.0	11.7	13.9	15.5	19.3	23.1	26.9	29.9	32.7	18.01	8.3	16.09	1.65
	74	26	5.1	6.7	7.7	10.7	11.3	12.2	13.5	14.1	16.9	18.3	23.9	12.88	4.8	12.01	1.47
ROCHESTER																	
3357400001A01	71	29	3.6	5.0	7.0	7.8	8.6	9.3	9.8	9.9	10.7	19.2	28.1	10.36	5.9	9.32	1.56
	72	30	6.2	7.2	8.2	8.9	9.5	10.7	11.9	14.9	17.8	23.8	32.8	13.49	6.8	12.13	1.55
	73*	21	6.8	7.8	8.6	8.7	9.9	10.6	12.2	17.7	22.2	31.7	42.9	15.76	10.0	13.46	1.72
	74	30	6.0	6.3	7.7	9.6	10.0	11.2	11.6	12.9	14.0	17.8	23.3	11.92	4.9	11.17	1.43
SYRACUSE																	
3366200001A01	71	28	3.3	5.2	6.6	7.9	7.9	8.9	10.0	11.3	12.3	13.5	19.6	9.57	3.8	8.86	1.50
	72	29	4.7	6.9	8.1	9.5	9.7	10.2	11.9	13.7	16.6	20.0	25.9	12.79	5.5	11.67	1.53
	73*	20	5.5	6.1	7.0	7.5	7.8	8.2	9.5	9.9	12.5	19.5	37.3	11.53	7.8	10.02	1.63
	74	26	2.9	6.9	6.9	8.3	9.9	10.1	10.9	12.6	14.1	14.9	29.1	10.85	4.2	10.05	1.51
UTICA																	
3368800001A01	71	28	6.0	8.0	8.2	9.6	10.1	11.1	12.9	12.7	12.9	19.3	29.3	11.67	3.7	11.19	1.33
	72	26	3.0	4.5	5.8	7.5	9.8	11.2	13.2	13.6	16.1	18.9	23.8	11.77	5.8	10.29	1.76
	74*	20	7.6	8.1	10.0	11.9	11.7	12.6	12.8	13.9	15.1	16.8	33.5	13.43	5.9	12.71	1.38
YONKERS																	
3376200001A01	71*	21	3.7	6.0	7.0	9.8	10.1	11.2	12.3	15.1	16.1	18.3	29.5	12.90	5.1	11.33	1.57
	72*	18	5.0	7.3	8.1	8.1	9.7	10.0	10.8	12.8	13.2	18.7	41.7	13.98	9.0	11.66	1.67
	74*	18	5.3	6.9	7.6	7.9	8.1	8.5	11.0	12.5	12.6	15.9	27.9	11.69	6.2	10.97	1.56
NORTH CAROLINA																	
CHARLOTTE																	
3407000001A01	72	26	4.0	5.3	5.5	6.3	6.6	6.8	8.1	8.6	9.5	10.9	13.5	7.73	2.3	7.41	1.34
	73	29	5.6	6.9	7.1	7.3	8.1	8.5	9.3	10.8	12.0	19.5	29.7	10.19	6.9	9.46	1.93
	74	30	4.1	4.7	5.9	5.8	6.9	7.7	8.9	10.6	11.0	13.9	29.9	9.25	5.1	8.29	1.89
DURHAM																	
3411600001A01	71*	14	2.0	3.1	4.3	5.9	6.2	7.1	8.5	8.6	9.9	11.0	19.6	7.51	3.2	6.78	1.65
	72	25	3.1	4.7	5.3	6.0	6.5	7.8	8.0	9.3	10.1	11.0	12.2	7.68	2.9	7.27	1.41
	73	30	4.5	5.7	6.5	6.8	7.3	8.0	8.3	9.1	9.9	16.5	32.2	9.67	5.5	8.71	1.53
	74	26	4.2	4.3	5.3	6.2	6.7	7.2	7.8	8.7	11.9	17.0	22.9	9.27	5.3	8.16	1.63
GREENSBORO																	
3417400001A01	72	26	4.5	5.1	5.2	5.6	5.7	5.9	6.7	7.3	7.9	9.2	15.3	7.06	2.5	6.72	1.35
	73	30	2.5	4.9	5.3	6.1	6.9	7.2	8.6	9.1	10.9	17.5	29.7	9.09	5.1	7.97	1.69
	74	30	4.2	5.2	5.8	6.8	7.7	8.9	10.1	11.1	12.8	14.9	27.9	10.15	5.0	9.16	1.56
WINSTON-SALEM																	
3499460002A01	71	23	2.9	4.7	7.0	7.6	7.8	9.3	9.6	11.6	12.2	16.8	23.6	10.28	4.6	9.35	1.57
	72	29	4.8	5.2	5.5	5.9	7.3	8.3	8.9	8.7	9.9	11.2	18.9	8.21	3.0	7.78	1.38
	73*	23	5.1	6.0	6.8	7.0	7.9	8.7	9.0	9.3	10.9	27.7	30.2	11.28	7.6	9.69	1.67
	74	24	5.0	5.7	7.0	7.5	8.0	8.6	11.1	11.3	15.2	16.9	21.3	10.82	4.7	9.91	1.52
NORTH DAKOTA																	
BISMARCK																	
3501000001A01	71	26	2.4	2.8	3.2	3.3	3.4	3.9	4.6	4.9	5.4	6.0	8.9	4.37	1.4	4.15	1.37
	72	29	2.5	2.7	3.1	3.5	4.2	4.5	4.9	5.4	6.2	6.7	11.3	4.92	2.0	4.57	1.46
	73	27	1.7	2.8	3.3	3.4	4.0	4.1	5.0	5.2	5.8	6.3	8.6	4.64	1.7	4.35	1.46
OHIO																	
AKRON																	
3600600001A01	71	25	6.1	8.1	8.9	10.4	11.2	13.7	14.6	16.6	17.6	22.5	27.5	13.98	5.4	13.02	1.47
	72*	25	5.1	6.5	8.8	11.3	12.3	14.8	19.1	26.6	30.1	35.1	42.2	19.17	11.0	16.03	1.88
	73*	25	LD	8.9	9.5	10.7	11.2	13.7	16.5	17.3	17.6	22.3	37.2	14.88	7.3	12.22	2.49
	74*	16	8.2	8.9	9.1	10.7	10.8	12.6	15.5	15.8	17.0	19.0	26.3	14.95	5.3	13.62	1.41
CANTON																	
3610000001A01	71	23	5.9	6.0	9.1	10.2	10.6	11.2	12.6	13.2	14.7	18.3	23.9	12.29	4.5	11.51	1.45
	72	27	7.1	9.5	11.9	13.7	18.2	18.9	22.9	23.8	28.0	29.1	34.6	19.70	7.8	18.09	1.55
	73*	25	9.4	10.1	10.5	12.6	13.5	15.8	16.7	18.9	19.5	26.6	38.6	16.71	6.8	15.63	1.43
	74*	22	7.9	9.9	10.7	12.6	14.2	16.2	18.2	20.9	23.9	24.5	49.6	18.09	8.3	16.56	1.52
CINCINNATI																	
3612200001A01	71	23	4.3	4.6	7.3	7.9	8.7	10.0	10.2	14.5	16.2	18.2	26.0	11.81	5.7	10.59	1.41
	72	28	6.0	8.3	9.0	9.4	9.7	11.0	11.2	11.5	13.9	18.9	29.3	11.98	4.2	11.36	1.37
	73*	26	5.4	5.8	7.9	7.7	9.2	10.1	11.3	12.9	13.2	18.7	29.8	11.37	5.0	10.43	1.51
	74*	22	7.0	7.0	7.4	8.9	9.8	10.0	12.2	13.5	16.7	19.0	25.2	12.42	5.2	11.50	1.48
CLEVELAND																	
3613000001A01	72*	23	5.7	9.0	12.2	12.2	13.3	15.2	18.4	19.2	19.5	22.5	43.3	16.62	7.3	15.34	1.50
COLUMBUS																	
3614600001A01	71	26	3.4	4.4	5.8	6.7	7.4	8.5	8.7	9.9	11.1	13.9	19.5	8.68	3.2	8.08	1.49
	72	30	6.4	8.6	9.1	9.4	10.9	12.3	13.0	15.4	17.6	18.6	26.0	14.14	6.5	13.01	1.49
DAYTON																	
3616600001A01	71*	22	5.0	5.1	6.6	9.1	9.7	10.3	11.0	11.5	13.6	17.5	23.0	11.19	4.7	10.25	1.52

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 - SULFATE
METHOD = 01 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	72	28	7.0	8.8	10.3	11.9	13.9	16.0	17.5	20.2	25.9	30.9	56.6	18.87	10.7	16.63	1.69
	73.	25	6.5	7.3	9.8	12.6	14.0	17.9	18.5	19.6	22.0	29.3	33.7	17.16	7.9	15.57	1.59
IRONTON																	
363080002A01	71	23	5.0	5.8	8.3	8.9	10.6	12.0	16.0	17.9	21.0	98.6	69.2	18.66	16.8	14.19	2.02
	72	23	7.0	7.9	10.3	12.7	12.9	17.0	20.3	21.0	24.7	98.3	71.9	21.91	16.1	18.01	1.83
	73.	19	6.6	7.7	8.5	11.9	13.8	14.3	17.0	17.5	18.7	22.9	42.0	16.13	8.8	14.57	1.68
PORTSMOUTH																	
365620002A01	71	25	3.8	5.7	5.9	6.9	8.0	9.3	10.2	11.3	12.0	15.5	27.2	10.31	5.3	9.28	1.57
	72	28	4.5	5.6	6.4	8.0	9.6	11.1	13.6	17.3	20.1	25.0	99.2	15.19	10.2	12.80	1.86
	73.	29	6.3	6.5	7.6	8.9	10.5	11.5	12.9	14.3	16.6	21.3	29.6	13.08	6.0	11.99	1.63
STEUBENVILLE																	
366420001A01	71	23	5.9	8.3	11.9	14.2	16.6	19.6	21.9	25.0	29.6	33.1	59.1	21.69	11.9	18.81	1.74
	72.	23	10.8	12.0	14.9	16.3	18.9	25.8	28.8	32.5	33.9	45.3	66.9	27.52	13.7	24.62	1.62
	73.	22	8.7	8.7	10.1	12.0	12.8	13.5	15.3	17.9	25.1	31.6	37.3	17.96	8.6	15.77	1.84
TOLEDO																	
366600001A01	71.	23	3.7	3.7	6.2	7.6	8.5	9.2	10.1	12.6	14.3	22.3	25.3	11.03	6.0	9.61	1.71
	72	28	3.5	8.5	8.8	11.0	11.9	13.5	15.7	18.1	22.1	25.5	45.7	16.79	9.6	14.56	1.72
	73.	24	5.8	6.6	8.4	8.7	10.2	11.1	11.7	12.5	17.1	22.3	28.7	12.92	6.2	11.80	1.62
	74.	17	2.6	3.3	3.6	5.8	6.5	9.0	9.9	11.3	13.5	19.1	28.2	10.40	7.4	8.39	1.96
YOUNGSTOWN																	
367760001A01	71	25	6.5	7.5	8.0	9.5	9.7	10.0	11.0	16.2	19.6	21.9	29.5	13.50	6.6	12.18	1.56
	72	30	7.4	8.8	11.7	13.2	14.6	16.9	18.0	19.8	22.6	26.7	36.9	17.91	7.2	16.60	1.48
	73.	24	8.1	9.0	9.5	10.1	11.1	12.0	12.9	17.0	19.1	26.6	34.8	15.15	7.1	13.85	1.51
	74.	23	4.7	6.5	7.9	9.4	9.7	10.8	11.9	13.0	15.6	17.7	25.3	11.90	4.7	11.09	1.47
OKLAHOMA																	
OKLAHOMA CITY																	
372200015A01	72	26	2.1	3.0	3.4	4.0	4.9	5.6	6.6	7.6	10.4	11.7	12.4	6.65	3.3	5.85	1.69
	74.	19	LD	LD	2.6	2.7	2.9	4.0	4.4	5.5	7.2	9.0	10.4	4.59	2.9	3.33	2.80
OKLAHOMA CITY																	
372200029A01	72	29	1.8	2.7	3.1	3.4	4.0	5.2	5.6	7.8	9.1	11.1	12.4	5.97	3.2	5.15	1.74
	73.	17	1.3	1.9	2.3	3.2	3.4	3.5	3.9	4.5	5.1	5.2	5.9	3.82	1.3	3.67	1.60
TULSA																	
373000001A01	71	25	1.9	2.9	3.2	3.7	4.0	4.5	4.8	6.3	7.2	9.4	11.7	5.20	2.4	4.78	1.64
	72.	25	2.5	3.1	4.1	5.3	5.5	5.9	7.9	8.5	12.1	16.0	20.3	8.04	4.8	6.85	1.77
	73	30	LD	3.0	3.6	5.0	5.4	5.8	6.4	6.5	7.2	8.1	15.5	6.19	3.1	5.23	1.68
	74	29	3.6	3.7	4.3	5.5	6.1	6.7	7.1	7.2	7.9	9.9	14.4	6.86	2.6	6.43	1.43
OREGON																	
PORTLAND																	
381460001A01	71.	17	2.2	4.4	4.6	6.8	7.5	9.5	9.8	11.8	17.2	17.6	22.2	10.39	5.6	8.83	1.83
	72	28	3.6	4.0	4.9	5.7	6.8	8.4	10.8	11.7	11.9	20.6	28.8	10.91	7.2	9.05	1.84
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	71	24	4.4	6.6	8.1	8.4	9.9	11.2	11.6	14.1	14.5	30.1	33.8	13.70	8.1	11.99	1.66
	72	28	7.1	9.0	11.0	11.8	12.3	13.8	15.9	19.0	19.6	24.6	28.1	15.79	5.8	14.73	1.45
	73	26	5.2	6.5	7.4	8.9	9.8	10.0	11.1	13.0	13.3	15.1	25.9	11.17	4.3	10.49	1.43
	74	25	5.4	6.9	7.7	9.1	9.3	11.2	12.9	14.6	15.4	20.9	46.8	13.29	8.4	11.69	1.62
ALTOONA																	
390140001A01	71	25	3.8	5.1	7.6	8.5	9.1	9.9	10.8	11.8	13.4	16.4	29.6	11.10	5.4	10.05	1.67
	72	30	3.4	5.6	7.1	8.2	8.8	10.3	11.8	12.8	15.4	25.3	57.9	14.73	13.0	11.58	1.90
	73	27	4.6	7.2	7.3	9.8	11.3	12.1	12.7	17.9	19.2	26.5	60.7	16.31	12.2	13.52	1.78
	74.	21	3.9	4.0	7.4	8.3	9.9	12.3	12.7	13.5	17.8	22.9	37.7	14.12	8.9	11.97	1.79
BETHLEHEM																	
390780002A01	71	25	LD	6.9	7.2	8.1	8.7	9.4	9.9	13.4	16.6	19.0	20.7	11.05	4.9	9.23	2.38
	72	28	6.6	7.0	8.2	8.8	9.8	11.5	14.8	16.7	20.2	25.3	39.8	15.27	8.6	13.33	1.67
	73	24	5.9	8.3	8.7	9.3	9.6	10.0	10.4	12.3	17.2	25.4	38.1	13.60	7.9	12.07	1.59
	74.	23	LD	3.7	7.6	8.0	8.6	10.5	11.6	12.1	13.1	16.6	20.4	10.65	4.7	8.67	2.39
CLEARFIELD CO																	
391820001A01	72.	23	4.3	4.7	5.9	6.8	7.3	8.3	11.3	12.2	13.4	23.0	33.4	11.10	7.0	9.53	1.71
ERIE																	
393040002A01	71	25	4.3	5.3	5.5	7.6	8.3	9.4	10.1	11.0	15.0	20.2	23.1	10.76	5.4	9.62	1.61
	72	27	6.5	7.0	9.1	9.3	12.8	15.1	16.1	16.9	17.0	29.3	51.3	15.90	9.5	13.99	1.63
	73	26	5.2	7.1	8.0	9.4	10.9	12.4	14.8	16.3	19.2	23.9	54.4	14.38	12.2	13.45	1.77
	74.	20	4.7	4.8	6.7	8.2	8.6	9.5	10.8	12.9	14.7	19.1	22.2	11.41	5.2	10.30	1.59
HARRISBURG																	
393880001A01	71	25	4.9	6.1	6.3	8.8	10.0	12.4	13.7	14.2	16.0	16.9	22.7	12.01	4.6	11.08	1.52
	72	28	6.8	7.1	9.0	10.3	11.7	12.9	14.5	14.9	16.4	18.7	33.1	14.05	6.2	12.99	1.50
	73.	22	2.2	4.0	7.6	8.1	8.8	9.7	10.2	10.7	14.1	21.7	33.4	11.95	7.8	10.05	1.83

. INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12903 = SULFATE
METHOD = 01 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 ** 10
71-74	> 3.0	6.3 ** 10

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
HAZLETON																	
393960001A01	71	25	4.6	6.3	7.5	7.9	8.3	10.7	11.5	12.1	12.6	14.9	16.5	10.32	3.3	9.78	1.4
	72	28	4.8	6.8	7.0	8.7	10.6	11.1	13.3	15.5	18.3	24.2	28.1	13.57	6.7	12.10	1.6
	73	29	6.1	7.0	8.4	9.2	9.8	10.9	11.6	12.9	14.9	18.8	29.7	12.98	5.5	11.52	1.4
	74	29	5.3	6.9	7.8	9.2	9.9	10.7	11.9	12.1	14.2	20.3	36.9	13.00	7.7	11.50	1.6
LANCASTER CITY																	
399660002A01	74*	23	4.3	4.7	7.8	8.8	10.2	11.1	11.8	13.0	16.2	18.5	24.7	11.92	5.1	10.85	1.5
PHILADELPHIA																	
397190001A01	71	24	7.5	8.9	9.5	9.6	11.5	15.0	16.1	18.6	19.9	22.3	31.1	15.21	6.0	14.11	1.4
	72	27	4.7	8.0	8.9	11.1	11.9	12.3	16.7	19.9	22.0	30.3	36.3	14.19	8.5	13.16	1.6
	73	25	6.3	7.2	7.5	9.7	10.6	11.5	11.6	15.9	17.1	21.5	40.2	13.51	7.9	12.13	1.6
PHILADELPHIA																	
397190009A01	74	27	5.0	6.6	8.1	9.7	10.9	12.3	15.8	19.0	22.1	29.5	39.8	15.29	8.1	13.33	1.7
PITTSBURGH																	
397260001A01	71*	19	7.3	8.0	8.9	10.0	10.9	10.6	11.9	16.9	18.9	22.2	38.9	14.93	7.7	12.98	1.5
	72	27	9.5	10.9	11.6	17.9	19.8	21.0	21.9	24.5	26.3	31.3	43.7	21.93	9.0	20.17	1.5
	73	29	7.5	8.5	10.9	11.0	11.3	12.1	15.3	16.8	21.0	25.5	48.2	16.89	10.0	14.81	1.6
	74	29	8.1	8.8	9.2	10.9	11.6	12.6	13.7	16.9	17.8	21.2	39.0	15.05	7.1	13.83	1.4
READING																	
397620001A01	71*	17	7.9	8.9	8.8	10.1	12.1	13.3	15.2	19.6	22.6	25.9	28.2	15.99	6.9	14.67	1.5
	72	28	5.9	7.7	9.1	9.9	11.0	13.3	16.3	17.7	18.9	23.7	25.8	14.96	5.9	13.27	1.5
	73*	20	9.9	6.0	7.2	8.9	10.1	12.9	12.6	12.8	14.9	15.9	29.8	11.90	4.6	11.05	1.5
SCRANTON																	
398040001A01	71	26	6.9	8.2	9.7	10.6	11.0	12.6	13.2	16.9	18.9	19.6	25.5	13.85	4.7	13.10	1.4
	72	28	6.0	6.5	7.5	8.9	9.9	11.9	12.1	13.0	14.1	20.1	25.9	12.55	5.5	11.51	1.5
	73	25	6.7	7.9	8.5	10.0	10.5	11.9	13.9	15.3	16.3	22.1	29.1	13.10	4.9	12.29	1.4
	74	23	5.5	6.3	8.5	9.0	9.3	10.7	11.1	14.2	16.9	20.0	26.9	12.51	5.9	11.51	1.5
WARMINSTER																	
399140001A01	74*	18	3.6	4.7	9.9	10.0	11.1	12.6	13.2	14.7	16.9	20.9	35.1	13.63	7.2	11.86	1.7
WEST CHESTER																	
399280001A01	73*	26	1.3	5.6	6.9	9.2	10.6	12.0	12.7	13.1	16.5	16.6	27.9	11.89	5.3	10.96	1.6
WILKES-BARRE																	
399430001A01	71	25	5.1	7.0	7.8	8.6	9.5	10.2	11.0	15.0	16.2	17.8	20.3	11.76	4.3	10.99	1.4
	72	28	5.6	6.5	7.0	7.8	9.9	10.9	14.1	15.7	17.9	20.9	25.9	12.71	6.0	11.99	1.5
	73	25	6.9	7.0	7.2	10.2	10.5	11.3	12.0	13.2	15.0	25.2	37.3	13.40	7.3	11.98	1.5
	74	29	5.3	6.8	8.1	9.9	9.8	10.9	12.0	14.0	16.0	18.6	37.7	12.86	6.6	11.69	1.5
YORK																	
399560001A01	71	25	6.9	8.9	9.0	9.5	10.5	11.1	11.7	12.9	13.5	15.6	23.2	11.87	3.9	11.45	1.3
	72	29	5.5	6.9	9.0	10.9	11.5	14.7	16.2	17.6	19.3	23.8	45.9	15.77	8.9	13.99	1.6
	73	24	7.3	7.6	9.3	9.9	11.5	12.6	14.6	17.3	18.1	20.8	62.9	15.69	11.0	13.69	1.6
PUERTO RICO																	
BAYAMON																	
400380002A01	71*	19	3.6	4.0	4.4	4.6	4.8	5.1	5.6	6.0	7.4	8.3	12.0	6.06	2.3	5.71	1.4
	72	30	LD	5.8	6.4	7.4	7.8	8.7	9.6	10.3	12.5	16.8	57.2	11.23	9.8	8.71	2.2
	74*	23	3.5	3.9	5.3	5.4	5.9	7.2	7.6	9.2	9.7	11.9	14.5	7.71	2.9	7.19	1.4
CATANO																	
400560002A01	72	27	6.3	7.0	7.3	7.4	8.1	8.6	9.2	9.7	11.0	11.5	22.9	9.45	3.2	9.08	1.3
	73*	20	6.8	7.1	8.1	8.8	9.1	10.5	10.9	11.2	11.5	11.9	18.1	10.38	2.5	10.08	1.2
	74*	20	3.8	5.6	7.0	8.4	9.0	9.6	10.7	11.2	11.6	13.4	17.0	9.86	3.0	9.37	1.4
GUAYANILLA																	
401080002A01	71	26	4.4	5.7	5.8	6.4	6.9	7.3	7.9	8.2	10.2	10.7	13.5	7.98	2.3	7.65	1.3
	72	30	2.9	4.6	5.3	6.5	6.8	7.3	7.6	8.6	9.9	10.8	19.6	7.92	3.2	7.38	1.5
	73*	20	3.3	4.2	5.0	5.7	6.1	6.1	6.3	7.4	7.9	8.1	10.0	6.49	1.6	6.27	1.3
PONCE																	
401920002A01	71	24	3.7	3.7	4.0	4.2	4.4	4.6	4.8	4.8	5.1	5.5	6.2	4.65	.6	4.60	1.1
	72	30	2.7	3.3	3.4	3.5	3.8	4.1	4.2	4.4	5.2	6.3	10.1	4.58	1.7	4.34	1.3
	73*	21	3.7	3.7	4.2	4.7	5.2	5.3	5.4	5.7	6.1	6.6	7.3	5.31	1.0	5.22	1.2
	74*	18	2.4	2.9	3.4	3.9	4.1	4.2	4.3	4.5	4.6	4.9	6.1	4.16	.8	4.07	1.2
SAN JUAN																	
402140001A01	71*	19	3.6	4.3	4.8	5.0	5.2	6.2	6.4	7.3	7.5	7.9	10.1	6.29	1.6	6.03	1.3
	72	26	4.6	5.4	5.4	5.5	5.7	6.1	6.5	6.8	7.0	7.1	8.2	6.20	.8	6.19	1.1
	73*	22	5.0	5.2	5.6	5.9	6.1	6.2	6.6	7.0	7.2	7.4	8.8	6.49	.9	6.38	1.1
	74*	23	3.8	4.0	4.4	4.7	4.9	5.1	5.4	6.2	6.8	7.9	12.7	5.86	1.9	5.61	1.3
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	71	23	5.4	6.4	8.5	9.2	10.1	11.2	11.9	12.7	16.6	21.5	27.8	12.94	5.8	11.86	1.5
	72	28	4.2	6.1	8.2	8.6	8.9	9.7	10.3	11.8	13.0	17.7	18.6	10.99	4.0	10.29	1.4
	73*	27	3.1	5.3	5.8	6.1	7.8	9.0	9.5	10.0	12.0	14.2	18.2	9.19	3.6	8.52	1.4
PROVIDENCE																	
410300001A01	71	24	3.6	6.1	8.6	8.9	10.5	11.2	13.9	14.1	17.7	20.5	27.1	13.25	5.6	12.06	1.5

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

S O 4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	≤ 3.0	10.0 ** 10
71-74	> 3.0	6.3 ** 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
PROVIDENCE																	
410300001A01	72	29	3.4	5.6	7.0	8.4	9.0	10.2	10.8	11.4	14.0	18.0	21.8	11.11	4.7	10.19	1.56
	73*	26	3.8	6.1	6.4	7.1	8.5	9.3	9.9	10.9	15.0	16.3	29.0	10.83	5.4	9.77	1.57
	74*	20	5.2	6.1	6.5	6.7	6.8	7.4	7.7	8.4	11.6	15.2	27.6	9.98	5.9	8.87	1.57
SOUTH CAROLINA																	
COLUMBIA																	
420760001A01	72	26	3.9	4.6	5.3	6.0	6.8	9.2	9.4	10.1	11.1	13.7	17.1	8.92	3.6	8.22	1.51
	73	26	4.9	6.2	6.7	8.3	9.1	9.4	10.9	11.6	12.6	16.4	22.3	10.72	4.3	9.98	1.46
	74*	24	3.6	4.1	5.1	5.3	5.7	6.6	6.9	7.8	8.3	13.1	17.3	7.59	3.5	6.96	1.50
GREENVILLE																	
421180001A01	71	25	5.1	5.5	6.1	6.7	6.8	7.2	7.9	10.4	10.7	19.7	29.0	9.96	6.1	8.73	1.62
	72	28	5.0	5.5	6.5	7.0	7.6	8.7	10.2	11.0	11.5	13.1	24.0	9.85	4.3	9.11	1.47
	73	30	5.3	7.7	8.3	9.3	10.1	11.3	12.2	14.0	16.2	19.1	29.9	12.77	5.5	11.82	1.47
	74	30	3.9	5.7	6.4	7.4	8.2	9.3	10.0	11.3	14.0	15.7	28.5	10.49	4.9	9.57	1.53
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	71	25	1.8	2.5	2.6	3.2	3.9	4.3	5.1	6.1	7.1	8.9	21.1	5.45	4.0	4.56	1.77
	72*	25	2.1	2.7	3.0	3.6	3.9	4.4	5.3	5.7	8.6	11.9	20.7	6.18	4.4	5.14	1.79
	73*	21	1.9	2.3	2.8	2.9	3.3	3.6	5.0	5.9	6.6	8.1	10.8	4.70	2.3	4.20	1.61
TENNESSEE																	
CHATTANOOGA																	
440380001A01	71*	16	2.9	5.4	6.1	6.7	6.9	7.9	8.9	9.7	12.5	20.4	33.3	10.94	7.6	9.16	1.80
	72	26	4.7	5.7	6.3	6.9	8.7	9.0	9.9	11.1	15.7	18.3	67.1	12.84	12.2	10.39	1.78
KNOXVILLE																	
441740002A01	71*	20	4.5	4.8	5.9	7.0	7.4	7.8	8.7	10.3	12.8	16.0	18.2	9.36	3.9	8.65	1.49
	72	27	5.4	6.4	7.4	8.1	9.0	10.4	10.7	12.8	14.0	15.0	29.0	11.48	5.3	10.55	1.49
	74*	19	5.0	6.5	7.0	7.9	8.2	10.6	11.8	13.6	15.9	19.0	28.3	12.22	6.0	11.00	1.59
MEMPHIS																	
442340001A01	71*	23	2.6	2.7	4.4	4.9	5.1	5.6	6.2	7.0	7.6	11.5	28.2	7.23	5.3	6.18	1.68
	72	30	5.7	6.2	7.2	7.5	8.8	10.3	12.3	13.4	13.9	17.4	29.7	11.31	4.5	10.51	1.47
	73	29	3.5	4.5	5.3	6.1	6.8	7.3	8.2	8.7	9.0	12.8	42.2	8.98	7.0	7.75	1.62
	74	30	3.7	6.3	7.7	7.8	8.3	9.0	9.8	10.9	11.1	14.3	23.4	9.92	3.7	9.35	1.41
NASHVILLE																	
442540001A01	72	26	3.2	4.8	5.9	7.4	7.8	9.1	11.2	13.4	14.7	19.0	25.8	11.29	6.0	9.85	1.71
	73	29	2.5	3.7	4.7	6.8	8.8	9.2	9.9	11.3	13.9	17.2	36.1	10.66	7.3	8.80	1.87
	74*	23	5.7	6.2	7.8	8.9	9.9	12.0	12.6	13.9	15.6	19.2	23.6	12.90	4.8	11.52	1.48
TEXAS																	
AUSTIN																	
480220002A01	71	24	1.5	2.2	2.7	3.4	4.1	4.5	4.8	5.3	5.5	7.1	11.5	4.73	2.2	4.26	1.60
CORPUS CHRISTI																	
481150001A01	74*	20	2.0	3.2	3.9	5.4	6.2	6.7	7.7	8.2	10.7	15.3	17.5	7.97	4.3	6.92	1.74
DALLAS																	
481310002A01	71	23	1.8	2.2	3.4	4.0	4.1	5.2	5.7	6.2	6.8	8.6	17.1	5.73	3.3	5.09	1.66
	72	28	2.1	2.5	3.4	3.5	4.0	4.5	5.4	6.8	8.2	9.6	23.6	6.76	5.5	5.41	1.88
	73*	25	3.0	3.8	4.2	5.2	5.4	5.7	5.9	6.9	7.2	8.0	9.2	5.90	1.5	5.69	1.32
	74	26	3.0	3.4	3.9	4.4	5.2	8.9	10.3	10.6	13.2	16.8	32.9	10.11	7.5	8.03	1.97
EL PASO																	
481700002A01	71*	19	2.6	3.4	4.1	4.8	5.2	5.6	5.7	6.4	6.6	11.0	19.8	6.33	3.0	5.79	1.52
	72	25	4.9	5.4	5.8	6.5	7.5	8.2	8.5	9.2	9.5	10.7	13.7	8.12	2.1	7.84	1.31
	73	28	4.2	4.5	5.3	5.3	5.7	6.8	7.5	7.8	8.3	9.1	12.7	6.96	2.0	6.69	1.32
	74	28	1.8	3.7	4.8	5.0	5.1	6.2	6.7	7.3	7.6	8.7	20.6	6.62	3.2	6.07	1.51
FORT WORTH																	
481880001A01	71	26	1.3	2.1	2.4	2.7	3.1	4.0	4.2	4.9	6.1	7.3	10.1	4.38	2.2	3.86	1.67
	72	30	2.6	2.9	3.2	3.8	4.4	5.2	5.5	6.4	7.5	8.7	14.6	5.79	2.7	5.25	1.55
	73	26	2.9	3.3	3.5	4.1	4.4	4.4	5.3	5.9	6.6	7.8	8.6	5.23	1.7	4.97	1.38
	74	30	2.9	3.4	4.2	4.7	5.2	5.8	6.7	7.4	8.4	13.2	15.5	6.92	3.4	6.25	1.56
HOUSTON																	
482560001A01	71	25	2.5	3.6	3.8	5.1	5.3	5.7	7.3	9.4	10.2	12.6	20.1	7.42	4.0	6.53	1.76
	72	28	4.0	4.6	4.8	5.1	5.9	6.5	7.6	9.5	11.2	14.3	37.9	9.57	7.4	7.93	1.76
	73	29	3.5	3.6	4.6	5.3	6.4	6.6	7.2	9.0	10.6	11.7	31.0	7.89	3.8	7.08	1.57
	74	27	3.5	4.8	5.9	6.5	7.2	7.6	8.3	8.7	11.9	17.6	27.6	9.69	5.7	8.45	1.69
LUBBOCK																	
483340001A01	71*	18	1.3	1.7	2.3	2.5	2.6	2.7	2.8	3.4	3.5,	3.7	3.8	2.81	.7	2.72	1.32
PASADENA																	
483940002A01	71	26	3.5	4.7	4.5	7.6	8.3	10.1	11.1	14.8	19.6	21.5	28.8	12.47	7.1	10.62	1.79
	72	29	4.2	5.5	6.1	6.7	8.6	10.9	11.0	14.9	16.8	22.5	38.9	12.82	8.3	10.78	1.79
	73	25	3.6	4.7	5.7	6.2	8.0	9.1	11.3	12.9	14.1	16.0	18.0	9.93	4.2	9.00	1.59

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

S O 4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 ** 10
71-74	> 3.0	6.3 ** 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
PASADENA																	
959060002A01	74*	19	4.4	4.6	5.0	6.0	6.7	7.9	8.1	9.1	10.9	12.3	13.7	8.21	3.0	7.69	1.44
SAN ANTONIO																	
959570001A01	71	25	LD	2.0	2.5	3.6	3.8	4.2	4.3	4.5	5.2	6.8	10.8	4.37	2.1	3.70	2.02
	72	28	2.0	2.3	2.9	3.0	3.2	3.4	4.1	5.5	6.8	10.4	12.4	4.92	2.9	4.24	1.71
	73*	23	2.4	2.4	3.3	3.9	4.1	4.7	4.8	4.9	5.4	8.4	9.4	4.89	1.9	4.55	1.47
	74	29	2.6	2.9	3.3	3.7	4.5	5.0	5.1	5.6	7.5	8.2	14.4	5.66	3.0	5.09	1.56
WICHITA FALLS																	
955560001A01	71*	17	2.1	2.3	2.5	2.6	2.7	3.1	3.1	3.7	4.4	5.1	7.2	3.60	1.4	3.37	1.42
UTAH																	
OGDEN																	
960480001A01	71	26	1.8	2.2	2.5	3.0	3.1	3.3	4.7	6.1	7.4	9.3	20.6	5.62	4.5	4.48	1.89
	72	29	2.3	2.4	2.8	3.0	3.4	4.0	4.2	4.8	6.5	6.5	14.4	4.59	2.5	4.07	1.54
	73	29	2.1	2.2	3.8	4.4	4.9	5.1	5.2	5.8	6.5	7.7	15.9	5.59	2.8	5.05	1.57
SALT LAKE CITY																	
960920001A01	71*	19	3.9	4.4	5.0	5.9	7.0	7.3	7.4	7.9	9.6	12.1	14.7	7.89	3.2	7.34	1.47
	72	28	3.0	3.8	4.6	4.8	5.1	5.7	6.1	6.6	7.5	9.7	19.1	6.50	3.2	5.96	1.49
	73*	15	3.6	3.8	4.4	5.3	5.5	5.8	6.0	6.2	8.9	15.3	29.6	8.07	6.6	6.73	1.73
VERMONT																	
BURLINGTON																	
970190001A01	71*	19	2.5	4.6	5.1	5.8	6.7	7.4	8.3	8.9	12.6	14.8	23.9	9.11	5.1	7.96	1.69
	74	28	5.5	6.7	7.3	8.2	8.6	8.7	9.8	11.7	12.0	14.2	18.6	10.04	3.0	9.62	1.34
VIRGINIA																	
DANVILLE																	
480920001A01	71*	17	4.8	4.9	4.9	5.8	7.4	7.7	7.8	8.6	13.9	15.3	18.9	9.09	4.2	8.30	1.53
	72	27	5.6	5.7	6.1	7.2	8.1	8.3	8.7	9.2	9.9	10.6	15.2	8.68	2.3	8.39	1.29
	74*	21	4.3	5.5	6.5	7.0	8.5	9.7	11.6	14.4	15.7	20.5	24.7	11.78	5.9	10.50	1.63
FAIRFAX CO																	
481060001A01	71	24	3.3	4.7	5.4	5.8	6.4	6.5	7.0	9.4	10.9	15.1	18.7	8.57	4.0	7.77	1.55
	72	30	4.9	5.3	6.1	7.5	8.1	9.7	10.9	12.8	13.3	18.6	22.7	10.88	4.8	9.90	1.55
	73*	24	4.7	4.9	6.0	6.6	7.6	7.6	9.2	10.1	11.5	16.8	20.2	9.37	4.1	8.66	1.48
HAMPTON																	
481440001A01	71	25	4.8	5.5	5.9	6.5	6.6	7.6	8.4	9.9	11.4	16.5	24.5	9.31	4.7	8.46	1.52
	72	28	5.0	5.9	6.3	7.2	8.1	9.6	9.7	10.5	11.9	12.9	18.1	9.66	3.3	9.14	1.40
	73	31	4.7	5.8	6.9	7.7	8.3	8.7	10.6	13.0	14.3	18.1	19.8	10.47	4.2	9.91	1.47
	74	25	4.4	5.6	5.8	6.0	7.2	8.5	8.9	11.1	11.7	14.3	18.7	9.14	3.8	8.44	1.49
LYNCHBURG																	
481840001A01	71	25	4.8	5.1	5.3	6.3	6.7	7.8	8.6	10.2	14.0	18.5	20.0	9.59	4.7	8.62	1.57
	72	30	4.3	5.2	6.8	7.4	8.9	9.0	9.6	10.7	12.5	14.8	20.6	9.85	3.9	9.18	1.46
	73*	22	4.8	5.4	6.0	6.8	7.3	7.3	9.0	9.6	11.2	17.0	19.0	9.36	4.0	8.68	1.47
	74*	16	5.9	6.3	6.4	6.7	6.9	12.0	13.0	13.0	14.0	17.8	25.7	12.02	6.1	10.76	1.61
NEWPORT NEWS																	
482120001A01	71	25	2.3	4.2	5.1	6.4	6.6	7.2	8.7	9.5	10.7	14.0	17.2	8.27	3.6	7.51	1.58
	72	29	3.9	5.4	7.0	7.7	8.6	9.1	9.2	10.0	10.4	12.0	16.8	9.16	2.7	8.77	1.36
	73*	24	5.4	5.4	6.3	6.7	7.1	7.8	8.3	9.4	12.6	15.9	18.9	9.46	4.0	8.77	1.46
NORFOLK																	
482140001A01	71	25	2.3	5.4	6.4	7.1	7.4	10.5	11.4	13.5	17.2	19.4	28.4	11.67	6.5	10.07	1.76
	72	31	2.8	4.4	6.7	8.3	9.4	11.7	13.0	14.2	15.4	19.8	25.0	11.99	5.7	10.59	1.70
	73	53	2.0	2.8	4.6	6.3	9.4	11.3	12.6	15.5	17.8	24.9	33.8	12.25	7.7	9.71	2.09
	74	30	4.5	5.3	6.6	7.3	7.5	9.3	11.0	12.7	14.9	15.4	32.4	11.09	5.6	9.92	1.58
PORTSMOUTH																	
482440001A01	71*	18	5.1	7.1	7.5	8.6	8.8	9.8	10.5	11.5	12.1	13.2	28.4	10.91	4.9	10.16	1.43
	72	30	4.7	5.4	7.5	9.3	9.5	11.1	12.0	13.2	15.0	19.3	25.6	11.94	5.1	10.93	1.54
	73	29	5.2	8.1	9.6	10.0	11.2	11.9	13.6	15.6	16.1	19.9	23.8	13.18	4.5	12.43	1.42
	74*	21	6.5	6.9	7.2	7.7	7.9	9.3	11.2	11.8	13.0	20.1	24.7	11.69	6.0	10.58	1.54
RICHMOND																	
482660002A01	72*	16	8.0	8.6	8.9	10.8	10.8	11.3	11.9	12.2	12.4	12.5	24.0	11.80	3.6	11.41	1.28
	74	28	6.8	7.6	9.1	9.6	10.2	12.3	13.6	16.6	18.6	24.7	28.2	14.94	6.4	13.21	1.52
ROANOKE																	
482700001A01	71	25	4.3	5.6	6.2	6.6	7.4	7.8	8.5	10.6	12.6	14.5	22.3	9.36	4.1	8.65	1.48
	72*	27	4.6	5.3	6.6	7.4	8.0	11.6	12.9	13.8	14.9	16.2	25.4	11.33	4.9	10.31	1.56
	73	29	2.6	3.8	4.7	5.5	6.1	6.4	6.6	8.4	9.9	12.2	17.9	7.53	3.6	6.80	1.57
	74*	24	4.1	4.3	4.9	5.2	6.0	6.7	7.1	9.9	10.9	12.5	20.7	8.16	4.0	7.38	1.55
WASHINGTON																	
SEATTLE																	
491840001A01	71	25	3.3	4.1	5.0	5.5	6.0	6.3	7.2	7.8	8.5	10.5	12.4	6.93	2.3	6.55	1.41
	72	27	3.2	4.5	4.9	5.1	5.3	6.1	6.1	6.4	7.3	7.7	11.9	6.27	1.9	6.02	1.32

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-79	< 3.0	18.0 ** 10
71-79	> 3.0	6.2 ** 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
490840001A01	73	31	3.5	5.1	5.3	5.5	6.9	7.0	7.9	7.7	7.9	8.2	9.1	6.69	1.9	6.53	1.26
SPOKANE																	
492040001A01	71	25	1.9	1.8	2.1	2.6	2.7	3.0	3.1	3.5	4.3	4.8	9.9	3.39	1.6	3.06	1.50
	72	29	2.0	2.9	3.1	3.9	3.6	4.9	4.6	5.0	5.8	7.9	15.0	4.85	2.6	4.37	1.55
	73*	21	2.3	2.7	3.2	3.3	3.3	4.0	4.3	4.6	5.1	6.6	9.3	4.32	1.6	4.07	1.40
TACOMA																	
492140001A01	71	25	3.3	3.7	4.0	4.1	4.6	5.0	5.1	6.8	9.3	10.2	18.9	6.97	3.5	5.78	1.57
	72	29	1.8	2.9	3.5	3.7	4.9	5.1	5.9	6.0	8.0	15.8	33.7	7.73	7.6	5.79	2.01
	73	30	1.9	3.3	3.7	4.3	5.0	5.5	6.6	6.8	8.3	9.1	18.9	6.52	3.6	5.78	1.62
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	71	25	3.8	6.6	10.8	11.9	12.2	18.1	19.9	21.0	21.3	46.6	64.8	19.98	15.5	15.99	1.94
	72	29	6.0	8.5	11.2	12.8	13.1	15.6	16.3	18.6	21.9	26.9	42.7	17.09	7.9	15.57	1.64
	73	29	4.5	6.1	7.1	8.1	9.3	12.9	16.2	18.1	23.9	33.1	66.3	16.82	13.2	13.29	1.96
	74	28	7.2	8.4	10.2	11.2	12.1	15.7	17.1	23.5	31.7	37.0	55.9	20.63	13.3	17.29	1.80
HUNTINGTON																	
500700002A01	72	24	6.4	6.9	10.6	11.0	11.9	13.0	14.2	15.4	17.7	20.4	27.7	14.15	5.2	13.25	1.48
HUNTINGTON																	
500700005A01	73*	23	4.8	5.9	7.3	7.9	9.8	11.9	11.6	12.2	12.7	18.6	27.4	11.97	5.5	10.91	1.54
SOUTH CHARLEST																	
501760001A01	71	26	3.1	4.5	6.5	8.5	10.1	10.7	11.2	12.5	17.1	20.8	42.2	13.19	9.1	10.85	1.84
	72	30	4.5	6.5	8.8	10.9	11.7	12.6	14.0	20.3	24.5	27.8	39.5	16.13	8.6	14.04	1.72
	73	27	7.0	7.5	8.2	9.5	11.1	13.5	16.2	18.9	22.0	23.3	162.0	21.60	29.9	15.39	1.99
	74	26	6.4	8.8	10.5	12.9	14.1	16.1	19.9	21.0	28.4	45.3	65.6	21.92	14.7	18.22	1.83
WISCONSIN																	
EAU CLAIRE																	
510840002A01	71	23	2.7	3.0	3.8	3.9	4.3	4.9	5.3	7.1	9.9	11.9	12.1	6.38	3.2	5.68	1.62
	72	30	3.2	4.0	4.8	5.4	5.9	6.6	7.3	8.1	9.8	11.2	19.8	7.28	2.7	6.80	1.46
	73*	23	2.9	3.5	4.0	4.5	4.8	5.5	5.7	6.2	6.7	8.4	11.6	5.82	2.0	5.51	1.39
KENOSHA																	
511540001A01	71	24	2.5	3.4	4.8	5.9	7.1	7.5	7.6	9.3	9.5	13.9	21.6	8.37	4.6	7.38	1.67
	72	27	LD	4.1	6.4	7.8	8.6	9.2	10.1	11.2	13.2	14.4	19.5	9.87	3.9	8.47	2.17
	73*	24	4.5	5.8	6.4	6.6	6.8	7.5	7.6	9.8	12.3	14.9	16.8	8.97	3.5	8.39	1.44
MADISON																	
511860001A01	71	26	2.7	3.0	4.1	4.9	5.1	5.9	6.8	9.9	13.6	18.0	30.0	9.93	7.1	7.97	1.96
	72	30	4.6	4.8	5.5	6.2	7.7	8.2	9.9	10.1	10.6	11.1	17.8	8.61	3.0	8.11	1.42
	73*	27	2.1	3.2	3.6	4.7	4.9	5.5	6.1	6.6	7.6	9.6	16.8	6.37	3.2	5.71	1.69
	74	25	4.5	4.8	6.0	6.2	6.9	7.3	7.9	9.9	11.6	16.2	19.2	8.93	4.2	8.15	1.52
MILWAUKEE																	
512200001A01	71	24	4.1	4.3	5.8	6.9	8.6	9.1	10.3	10.8	12.3	13.9	23.0	9.58	4.1	8.77	1.64
	72	28	6.7	7.0	8.3	8.8	9.9	10.7	11.1	14.2	16.6	20.8	35.1	12.79	5.9	11.81	1.48
	73*	27	3.4	5.3	6.1	6.6	8.1	9.9	9.5	11.9	13.7	19.6	26.0	9.98	4.6	9.09	1.54
RACINE																	
512880001A01	71*	18	4.0	4.0	4.5	4.7	5.1	5.6	6.1	9.3	10.9	25.9	32.2	10.29	9.9	7.68	2.09
	72	27	2.9	4.5	6.0	6.2	7.6	9.0	9.8	10.8	11.9	19.9	18.7	9.36	4.0	8.48	1.61
	73*	25	3.5	5.3	5.6	6.1	6.3	7.9	7.7	8.9	9.0	11.7	13.5	7.66	2.3	7.22	1.36
	74	24	4.0	4.9	5.6	6.1	7.1	7.7	8.6	9.8	11.0	11.9	23.0	8.99	4.5	8.18	1.52
SUPERIOR																	
513480001A01	71*	14	2.9	4.2	4.9	4.7	4.9	6.3	6.5	6.6	7.6	8.5	14.5	6.62	2.8	6.15	1.47
	73*	15	3.7	4.2	4.7	5.6	6.0	6.2	6.2	7.9	7.7	11.5	13.7	6.87	2.6	6.47	1.41
WYOMING																	
CASPER																	
520120001A01	71	24	3.9	4.2	4.3	5.0	5.0	5.1	6.3	6.7	7.2	7.6	8.6	5.89	1.3	5.70	1.25
	72	29	LD	3.1	3.9	4.1	4.9	4.6	4.8	5.3	5.6	7.1	10.7	4.90	2.1	4.29	1.72
	73	30	2.0	3.3	4.6	4.8	5.0	5.3	5.8	6.0	7.2	8.4	9.9	5.71	1.7	5.49	1.39
CHEYENNE																	
520190001'01	71	22	1.2	1.2	1.4	2.0	2.4	2.6	2.7	3.2	5.9	8.3	10.0	3.79	2.7	2.99	1.94
	72	30	1.0	1.4	1.6	2.1	2.3	2.4	3.0	3.5	3.6	3.9	4.4	2.70	.9	2.61	1.50

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12903 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

S O 4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-79	< 3.0	18.0 ** 10
71-79	> 3.0	6.3 ** 10

SITE!	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	71*	18	1.1	1.2	1.4	1.6	1.7	2.1	2.5	2.8	3.9	4.4	19.2	3.16	3.0	2.46	1.92
	73*	22	LD	LD	1.1	1.6	1.6	1.8	2.1	2.3	3.4	4.7	6.0	2.33	1.5	1.82	2.25
	79	26	LD	1.2	1.4	1.6	1.7	1.9	2.2	3.0	3.9	4.1	6.8	2.53	1.5	2.08	1.98
MARICOPA CO																	
030490005A03	73	30	1.0	1.9	3.0	3.9	4.3	4.6	5.2	6.6	6.7	7.3	14.8	5.48	3.0	4.73	1.77
ARKANSAS																	
MONTGOMERY CO																	
041740001A03	71*	21	1.4	1.6	2.6	2.7	3.0	3.6	3.8	4.3	6.7	8.6	10.7	4.45	2.6	3.81	1.75
	72	28	2.6	3.4	4.1	4.4	5.4	5.7	6.9	8.6	11.8	14.5	20.8	7.45	5.0	6.72	1.77
	73*	21	1.9	1.9	2.6	4.2	4.3	5.7	7.6	8.2	9.4	14.4	21.6	7.25	4.8	5.94	1.92
	79	29	1.5	2.7	3.6	3.9	5.4	5.4	6.4	8.2	9.4	10.4	17.4	6.98	4.1	5.92	1.81
COLORADO																	
MESA VERDE NAT																	
061530002A03	71	29	1.2	1.2	1.3	1.6	1.7	1.9	2.1	2.5	2.7	4.2	10.0	2.70	2.2	2.21	1.76
	72*	19	.7	1.4	1.7	1.8	2.0	2.2	2.2	2.5	3.3	4.0	4.4	2.48	1.0	2.27	1.57
	73	25	LD	1.0	1.2	1.8	2.1	2.6	2.7	2.9	3.2	3.8	5.0	2.44	1.1	2.09	1.91
DELAWARE																	
KENT CO																	
080060001A03	71*	21	5.3	5.5	5.1	7.4	7.6	8.8	9.0	9.6	11.8	14.0	26.0	9.81	4.6	9.06	1.46
FLORIDA																	
HARDEE CO																	
101490001A03	71	22	1.7	2.2	2.5	4.0	4.4	5.2	5.7	6.7	8.2	8.5	11.3	5.50	2.6	4.87	1.69
	72	23	2.4	2.6	2.9	2.9	3.2	4.5	5.0	6.0	6.2	7.3	10.1	4.86	2.1	4.45	1.53
	74*	19	2.6	2.6	4.0	5.1	5.5	6.5	7.1	7.6	8.5	12.2	16.8	7.42	4.1	6.47	1.70
HAWAII																	
HAWAII CO																	
120080001A03	74*	21	LD	LD	LD	LD	.6	.7	.8	.8	2.0	2.6	5.1				
HAWAII CO																	
120080002A03	74*	17	LD	LD	LD	LD	1.4	1.6	1.8	1.9	2.6	2.6	19.0				
HAWAII VOLCANO																	
120090001A03	72	27	.9	1.0	1.2	1.3	1.4	1.7	2.1	8.2	12.6	14.7	24.6	6.28	7.4	3.17	3.22
	74*	21	LD	LD	.7	.7	1.0	1.3	2.6	2.9	5.3	6.1	15.4	2.98	3.6	1.65	3.06
IDAHO																	
BUTTE CO																	
130390001A03	71	23	1.1	1.2	1.6	1.6	1.6	2.0	2.0	2.2	2.8	3.9	9.9	2.68	2.2	2.21	1.75
	72	25	.8	1.0	1.6	1.8	1.8	2.0	2.2	2.5	2.6	3.3	4.4	2.13	.7	1.99	1.47
	72	25	.8	1.0	1.6	1.8	1.8	2.0	2.2	2.5	2.6	3.2	4.4	2.13	.7	1.99	1.47
	73	25	LD	.6	1.1	1.5	1.5	1.8	2.2	2.5	3.0	3.9	5.4	2.12	1.2	1.69	2.16
INDIANA																	
MONROE CO																	
152800001A03	71*	16	3.5	3.7	4.6	5.5	6.1	7.1	9.5	11.0	14.2	14.3	20.2	9.41	5.2	8.16	1.73
	72	22	5.7	5.7	6.0	6.9	7.1	7.3	7.6	7.9	10.1	12.4	12.8	8.29	2.3	7.95	1.31
	73*	18	5.2	5.3	5.5	5.6	5.9	6.7	7.7	9.4	9.5	10.6	16.9	7.86	2.8	7.45	1.38
PARKE CO																	
163260001A03	71	29	8.0	8.2	9.6	11.1	11.8	12.9	13.6	15.2	17.3	19.9	28.0	14.07	4.9	13.33	1.38
	72	28	5.2	5.9	6.9	7.5	9.9	11.0	15.2	17.2	19.3	20.0	42.7	13.46	7.9	11.70	1.69
	73*	22	4.9	5.6	6.1	7.8	9.1	9.9	10.9	12.5	18.2	23.6	53.2	13.40	10.7	11.01	1.80
LOUISIANA																	
IBERVILLE PAR																	
191280001A03	79	23	3.9	4.9	5.4	5.5	6.8	7.7	8.1	8.7	10.9	17.9	20.9	8.93	4.6	8.00	1.58
MAINE																	
ACADIA NAT PAR																	
200010001A03	71	23	1.2	1.5	3.6	4.3	4.9	4.9	5.7	6.8	7.8	10.0	11.9	5.72	2.8	4.99	1.80
	72	28	2.6	3.8	4.3	4.6	5.0	5.6	6.5	7.0	7.6	9.8	19.1	6.72	3.4	6.08	1.54
	73*	25	2.8	3.7	4.3	4.9	5.4	5.7	6.4	7.8	12.3	18.3	46.7	6.67	3.6	6.01	1.54
	74*	21	2.6	3.9	3.8	4.7	4.9	5.7	6.6	6.6	7.9	9.9	11.3	6.12	2.9	5.70	1.47
MARYLAND																	
CALVERT CO																	
210280001A03	72*	19	4.7	5.6	7.6	9.0	9.8	11.3	13.0	13.7	14.0	19.0	21.5	11.95	4.7	11.02	1.52
	73*	17	3.9	4.3	5.7	5.9	7.9	8.4	8.4	10.8	14.9	17.6	39.3	11.91	9.9	9.43	1.92
	74*	19	.7	3.9	5.9	6.3	7.5	8.4	10.0	13.5	14.9	20.6	28.8	11.22	7.1	8.85	2.26

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12903 - SULFATE
METHOD = 01 - HI-VOL COLORIMETRIC
UNITS = 01 - UG/CU METER (25 C)

INORGANICS

S O 4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-79	< 3.0	10.0 ** 10
71-79	> 3.0	4.3 ** 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSISSIPPI																	
JACKSON CO																	
261280001A03	71*	23	1.6	2.0	3.0	4.1	4.9	5.1	6.1	7.3	7.3	9.2	15.5	6.11	3.3	5.29	1.75
	72	28	1.3	3.2	4.6	4.6	5.4	6.5	9.5	10.8	11.5	13.2	22.4	8.14	4.8	6.73	1.96
	73*	21	3.0	3.6	3.6	5.7	6.8	8.4	8.8	9.9	10.7	16.4	20.7	9.03	5.0	7.82	1.74
	74	29	2.5	2.7	4.9	5.6	8.2	8.5	9.4	10.4	11.9	15.1	31.2	9.63	6.0	8.11	1.83
MISSOURI																	
SHANNON CO																	
269480002A03	71	29	1.1	1.3	2.4	3.3	4.3	4.6	4.9	6.1	6.4	8.9	19.1	5.26	3.7	4.31	1.92
	72*	22	2.2	2.2	2.9	4.3	5.3	6.5	6.8	7.8	12.7	15.5	28.2	8.15	6.2	6.93	2.00
	73	26	2.0	2.4	2.8	3.3	3.8	5.5	6.0	6.4	7.5	7.6	14.3	5.47	2.8	[illegible]	1.66
	74*	25	2.2	3.2	3.7	4.4	4.8	5.6	6.0	7.5	8.3	10.3	14.0	6.24	3.0	[illegible]	1.63
MONTANA																	
GLACIER NAT PA																	
270570001A03	71	23	LD	LD	.8	.9	1.0	1.5	1.7	2.0	2.1	3.0	7.2	1.75	1.4	1.32	2.19
	72	28	LD	.8	1.3	1.6	2.0	2.4	2.7	3.1	3.3	3.9	4.9	2.47	1.2	2.09	1.94
	73	26	LD	.8	1.0	1.1	1.3	1.8	2.1	2.2	2.3	2.5	4.2	1.80	.9	1.52	1.97
NEBRASKA																	
THOMAS CO																	
282480001A03	71*	17	.7	1.1	1.1	1.4	1.7	2.1	2.2	2.4	2.9	3.0	5.5	2.16	1.1	1.93	1.63
	72*	22	.6	.7	1.3	1.9	2.1	2.1	2.3	2.5	3.2	4.1	4.7	2.40	1.1	2.19	1.68
	73	26	LD	.7	.9	1.2	1.4	1.7	2.3	2.4	3.0	3.3	4.9	2.06	1.2	1.69	1.99
	74*	22	.9	1.3	1.4	1.7	2.0	2.1	2.2	2.4	3.3	9.6	14.9	3.45	3.8	2.50	2.04
NEVADA																	
WHITE PINE CO																	
290560001A03	72	30	LD	LD	1.4	1.4	1.8	2.1	2.2	2.2	2.4	2.6	4.0	1.99	.8	1.69	2.02
	73	31	LD	.6	1.1	1.3	1.4	1.7	2.1	2.3	2.8	3.5	5.1	1.97	1.1	1.69	1.92
	74	26	LD	1.2	1.4	1.5	1.8	1.9	2.2	2.5	3.1	3.6	10.2	2.43	1.8	2.01	1.89
NEW HAMPSHIRE																	
COOS CO																	
300190001A03	71*	18	2.6	3.4	3.7	4.0	4.8	5.2	6.5	7.2	7.2	7.9	20.8	6.98	4.8	5.96	1.71
	72	27	2.5	3.2	3.7	3.9	4.7	5.8	8.4	10.2	16.0	18.5	38.2	9.90	8.7	7.35	2.13
	73*	22	2.4	3.0	3.7	4.8	5.2	6.8	8.3	9.2	10.0	12.3	23.7	8.12	5.2	6.89	1.80
	74*	21	1.8	2.0	3.7	4.1	5.6	6.4	7.0	7.4	10.0	11.4	22.2	7.43	4.8	6.22	1.85
NEW MEXICO																	
RIO ARRIBA CO																	
320920001A03	72	29	1.1	1.3	1.6	1.7	1.9	2.1	2.3	3.0	3.4	9.1	17.9	3.66	3.9	2.67	2.03
NEW YORK																	
JEFFERSON CO																	
333390001A03	71	25	2.3	3.5	4.2	5.2	5.5	6.1	6.3	8.0	8.6	14.0	20.9	7.51	4.6	6.51	1.69
	72*	25	2.0	4.8	5.8	7.5	7.9	8.7	9.8	12.9	13.3	18.6	26.4	10.73	5.9	9.25	1.77
	74*	20	2.6	2.6	2.8	4.3	5.0	5.9	6.6	8.5	9.3	10.9	14.5	6.74	3.6	5.85	1.74
NORTH CAROLINA																	
CAPE HATTERAS																	
390570001A03	71*	22	4.4	4.5	5.5	7.7	9.4	9.7	10.5	12.0	16.1	19.3	29.5	11.26	5.6	10.09	1.69
OKLAHOMA																	
CHEROKEE CO																	
370480001A03	71*	22	.9	2.5	2.9	3.2	3.7	4.7	5.1	5.6	7.1	9.1	16.6	5.56	3.6	4.69	1.87
	72	27	1.0	1.8	2.4	3.8	4.8	5.8	6.6	7.4	8.3	9.9	24.9	6.50	4.7	5.29	1.99
	73	29	2.1	2.5	2.9	3.4	4.0	4.3	5.1	5.4	6.1	6.6	10.3	4.70	1.8	4.35	1.49
	74*	26	1.8	2.2	3.0	3.4	3.6	4.0	5.1	5.9	11.0	11.3	14.1	5.99	3.9	4.94	1.87
OREGON																	
CURRY CO																	
380490001A03	71*	18	1.8	2.2	2.5	2.9	3.4	3.8	4.3	4.4	4.6	5.2	5.5	3.81	1.1	3.63	1.39
	72	23	LD	LD	2.1	2.6	2.8	3.6	3.8	4.6	5.2	6.1	7.9	3.73	2.0	2.92	2.42
	73*	20	1.7	1.8	2.9	3.1	3.6	3.8	5.2	6.2	6.6	7.0	8.7	4.71	2.1	4.23	1.63
PENNSYLVANIA																	
CLARION CO																	
391760001A03	71	25	1.1	4.9	5.5	6.1	6.4	7.8	7.8	10.5	11.1	15.2	22.8	8.29	4.6	7.63	1.79
	72	28	4.9	6.5	7.2	7.8	9.9	10.5	13.2	14.0	14.2	20.4	25.7	11.95	5.1	10.98	1.52
	73	30	LD	5.7	6.8	8.7	10.4	11.2	12.3	15.2	17.0	25.0	43.7	13.66	8.7	10.72	2.42

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 01 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 -- 10
71-74	> 3.0	6.3 -- 10

SITE:	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
CLARION CO																	
391760001A03	74*	23	4.0	4.9	7.3	7.5	7.6	9.1	9.5	10.7	19.2	27.0	30.6	12.38	7.8	10.49	1.76
INDIANA CO																	
399290002A03	72*	18	5.7	6.0	6.7	6.9	8.9	9.0	10.7	11.3	11.6	12.2	24.5	10.21	4.4	9.50	1.45
RHODE ISLAND																	
WASHINGTON CO																	
410380002A03	71	24	3.1	4.4	5.0	7.0	7.3	7.9	9.2	10.0	10.5	11.3	35.4	9.85	7.0	8.41	1.70
	72	28	3.7	5.0	5.8	6.3	6.7	8.5	10.4	11.5	13.6	14.8	16.0	9.40	3.8	8.63	1.53
	73*	19	3.6	3.6	5.0	5.3	5.7	5.9	6.1	7.2	10.4	17.3	28.0	8.74	6.4	7.29	1.77
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	71	23	1.5	2.0	4.5	5.1	5.9	6.0	6.6	6.8	7.7	8.5	11.9	6.17	2.3	5.63	1.60
	72	27	3.2	4.4	4.6	4.7	6.0	6.2	6.9	9.1	9.9	10.3	13.0	7.11	2.6	6.65	1.45
	73	31	4.0	4.1	4.6	4.9	5.7	6.9	7.7	8.3	9.5	13.7	18.7	7.85	3.8	7.10	1.54
	74*	26	3.5	3.5	4.2	5.0	6.5	6.8	7.5	7.8	8.7	13.2	14.6	7.48	3.2	6.84	1.53
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	71	23	1.3	1.3	2.0	2.4	2.5	2.7	2.9	3.1	3.2	3.4	4.2	2.68	.7	2.58	1.34
	72	29	LD	.9	1.3	1.5	2.0	2.2	2.3	2.5	2.8	3.4	3.7	2.13	.9	1.88	1.79
	73	27	.9	1.2	1.4	1.6	1.9	2.1	2.2	2.8	3.7	4.0	4.9	2.39	1.1	2.15	1.60
TEXAS																	
MATAGORDA CO																	
483630001A03	71	23	2.2	2.5	3.3	3.5	4.0	4.8	4.8	6.1	7.5	11.4	13.3	5.87	3.3	5.10	1.69
	72	28	2.1	2.9	3.7	3.9	4.9	5.4	5.6	6.2	7.1	12.2	17.5	6.28	3.6	5.49	1.66
	73	28	1.8	2.5	2.9	3.1	3.4	4.2	5.0	5.8	5.9	6.4	12.0	4.81	2.4	4.31	1.59
	74	30	1.9	3.4	4.3	4.7	4.8	5.2	5.8	6.2	7.8	8.3	15.3	5.99	2.6	5.50	1.52
TOM GREEN CO																	
455200001A03	71	25	1.4	1.5	2.5	2.9	3.0	3.2	3.5	4.7	6.6	6.4	8.5	3.90	1.9	3.44	1.67
	72	28	1.9	2.0	2.2	2.7	3.3	3.9	4.6	5.5	6.4	7.6	11.0	4.66	2.4	4.08	1.69
	73	25	1.8	2.3	2.4	2.7	3.6	3.8	4.6	5.1	6.5	8.2	9.5	3.75	1.8	3.46	1.99
	74*	24	.8	.9	1.3	1.6	2.0	2.6	3.0	4.1	4.5	5.1	7.7	3.07	1.7	2.57	1.88
VERMONT																	
ORANGE CO																	
470340001A03	71*	23	3.1	3.9	5.4	5.6	7.2	7.5	9.2	11.0	11.1	19.8	23.3	9.61	5.5	8.22	1.72
	72	28	4.2	5.4	6.4	6.7	7.3	8.4	10.2	11.5	12.6	14.6	21.5	9.88	4.3	9.07	1.51
	73	26	3.1	4.2	4.6	5.3	6.1	6.3	6.9	7.7	8.4	18.5	29.8	8.77	6.3	7.39	1.72
	74	28	3.6	5.0	6.6	6.9	7.7	8.0	8.8	10.2	10.8	15.2	26.8	10.05	5.7	8.95	1.59
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	71	27	3.4	4.0	4.3	4.6	5.0	6.1	8.3	11.0	13.8	15.5	30.0	9.33	6.9	7.67	1.87
	72	27	3.8	4.1	4.8	6.2	8.1	9.0	9.4	10.8	13.6	14.3	17.5	9.38	3.9	8.53	1.58
	73	28	4.1	5.1	5.9	6.2	7.1	8.4	9.6	10.5	13.8	16.2	47.5	11.14	8.8	9.33	1.73
	74*	16	2.8	3.7	3.8	4.5	4.7	5.4	5.7	9.2	10.3	14.4	90.0	12.21	21.1	7.24	2.31
WYTHE CO																	
483490001A03	71	25	1.3	2.8	3.5	4.1	4.2	5.2	6.0	7.8	10.4	11.8	13.4	6.42	3.5	5.47	1.82
	72*	21	3.7	3.9	4.4	5.4	7.2	8.0	8.2	8.3	13.0	14.1	15.3	8.48	3.7	7.72	1.56
	73	27	2.6	3.6	3.8	4.8	5.5	5.7	5.9	6.5	7.3	9.5	26.3	6.66	4.4	5.91	1.67
	74*	16	2.9	2.9	3.2	4.2	4.4	4.7	7.3	7.4	8.1	8.6	9.0	5.85	2.2	5.43	1.50
WASHINGTON																	
KING CO																	
490980002A03	72	30	1.0	1.2	2.0	2.8	3.1	3.6	4.4	4.7	5.3	6.8	13.3	4.16	2.6	3.47	1.86
	73	26	.7	1.9	2.0	2.4	2.5	3.3	3.8	4.2	4.6	5.1	6.3	3.39	1.4	3.04	1.66
WISCONSIN																	
DOOR CO																	
510780001A03	72	25	1.8	2.5	3.1	4.5	4.7	5.8	6.0	6.9	7.2	8.8	20.6	6.21	3.9	5.30	1.76
	73*	21	1.7	2.1	2.8	3.3	4.4	4.8	5.6	6.1	6.5	13.5	27.4	6.58	5.9	5.16	1.92
WYOMING																	
GRAND TETON NA																	
520310001A03	72	29	LD	LD	.6	.8	1.0	1.1	1.2	2.0	2.4	2.5	3.7	1.41	.9	1.07	2.29
	73	30	LD	.7	1.2	1.3	1.4	1.7	1.9	2.1	2.6	3.0	4.3	1.85	.9	1.56	1.94
YELLOWSTONE NA																	
520840001A03	71*	19	.7	.9	1.1	1.2	1.3	1.7	1.7	1.9	2.1	2.4	3.9	1.72	.7	1.58	1.50

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT = 12403 = SULFATE
METHOD = 91 = HI-VOL COLORIMETRIC
UNITS = 01 = UG/CU METER (25 C)

INORGANICS

SO4

YEARS	CONCENTRATION RANGE	CONFIDENCE LIMITS, %
71-74	< 3.0	18.0 +- 10
71-74	> 3.0	6.3 +- 10

SITE	YR	NO.	MIN	10	20	30	40	50	60	70	80	90	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WYOMING YELLOWSTONE NA 520860001A03	72*	21	LD	LD	.6	.9	.9	1.0	1.4	1.7	1.9	2.4	2.8	1.30	.7	1.09	1.98
	73	23	.6	.6	1.5	1.6	2.1	2.5	2.6	2.8	3.1	3.8	4.9	2.47	1.1	2.16	1.76

* INDICATES YEARLY CRITERIA NOT MET